



A CSW Industrials Company

ARCHITECTURAL  
**PRODUCTS**



# BALCO

WICHITA, KS, USA

We are a leading manufacturer of architectural products that promote life safety and building longevity. Established in 1957, Balco has had over 60 years of experience and steady growth, setting an industry benchmark in the global market.

Balco is committed to quality and safety, supporting our Certified ISO 9001 Quality Management System and in-house Underwriters Laboratories (UL) testing capabilities. Our high-performance products are designed to meet or exceed International Building Code (IBC) standards. Balco is also a member of the American Institute of Architects (AIA), Construction Specification Institute (CSI), and International Concrete Repair Institute (ICRI). Additionally, our products qualify for LEED® credits. Balco is a portfolio company of CSW Industrials Inc.



A CSW Industrials Company





A CSW Industrials Company

RENOWNED IN THE  
GLOBAL CONSTRUCTION  
AND ARCHITECTURE  
INDUSTRIES

EXPANSION  
JOINT SYSTEMS  
16



PARTITION  
CLOSURE  
98



FIRE  
BARRIERS  
102



STAIR  
NOSINGS  
114



MATS  
& GRIDS  
126



TRENCH  
& ACCESS  
142



ILLUMITREAD™  
EGRESS  
150



# TABLE OF CONTENTS

(PRODUCT INDEX PAGE 179)

<b>WHY BALCO</b> .....	7
FEATURED PROJECTS .....	9
<b>LAYOUT GUIDE</b> .....	13
ICONS & DEFINITIONS.....	14
<b>EXPANSION JOINT SYSTEMS</b> .....	16
ARCHITECTURAL SYSTEMS .....	18
INTERIOR FLOORS .....	18
NO BUMP SERIES.....	19
NBR.....	19
NBAF.....	20
HDNB.....	21
PAN SERIES.....	22
PJC.....	22
GLIDE PLATE SERIES .....	23
6FA.....	23
6FC.....	24
6FP.....	25
6FS.....	26
6FTP.....	27
XH4FS.....	28
ELASTOMERIC SEAL SERIES .....	29
75FCE.....	29
75FP.....	30
75FPE.....	31
75FTE.....	32
DUAL ELASTOMERIC SEAL SERIES .....	33
95GFPB.....	33
95GFTB.....	34
GYMNASIUM SERIES .....	35
1120 (& 1420).....	35
G.....	36
SURFACE PLATE SERIES.....	37
BCP.....	37
BHS.....	38
EXBF.....	39
EXF.....	40
RPA.....	41
INTERIOR WALLS & CEILINGS .....	42
GLIDE PLATE SERIES .....	43
6GW.....	43
6TW.....	44
ELASTOMERIC SEAL SERIES .....	45
75FCA.....	45
75FWG.....	46
75FWP.....	47
75FWPE.....	48
DUAL ELASTOMERIC SEAL SERIES .....	49
95GW.....	49
PAN SERIES.....	50
PSW.....	50
FACE SEAL SYSTEMS .....	51
AC.....	51
ACVS.....	52
ACWW.....	53

GCVS.....	54
GCWW.....	55
TCVS.....	56
TCWW.....	57
IS.....	58
SURFACE PLATE SERIES.....	59
CM.....	59
FC.....	60
WD.....	61
EXTERIOR WALLS .....	62
METAL COVER SYSTEMS .....	63
9W.....	63
CMX.....	64
ELASTOMERIC SEAL SYSTEMS .....	65
CE.....	65
EV.....	66
FCVS.....	67
FCWW.....	68
FOAM SEAL SYSTEMS.....	69
BCSW.....	69
BCSWE.....	70
BBSW.....	71
ROOFS.....	72
METAL PLATE SYSTEMS .....	73
9W.....	73
FR.....	74
LPR.....	75
BELLOW SYSTEMS.....	76
BRB.....	76
RRG.....	77
PARKING & OPEN-AIR SYSTEMS .....	78
METAL COVER SYSTEMS .....	79
DFH.....	79
HPG.....	80
SBP.....	81
SM.....	82
SMPQ.....	83
SWPQ.....	84
ELASTOMERIC SEAL SYSTEMS .....	85
CS.....	85
RB.....	86
ES.....	87
FS.....	88
SSPD.....	89
FOAM SEAL SYSTEMS.....	90
BCSF-SL.....	90
BHFE.....	91
EXPANSION JOINT SYSTEM DETAILS .....	92
WB.....	92
EXAMPLE: INSTALLED FCWW .....	96
<b>PARTITION CLOSURE</b> .....	98
PCS-SERIES.....	99
PCS-1.....	99
PCS-1B.....	99
PCS-1C.....	99
PARTITION CLOSURE DETAILS.....	100

<b>FIRE BARRIERS</b> .....	102
FLOOR SYSTEMS.....	103
METABLOCK® .....	103
MBF2H.....	103
MBF3H.....	103
MBF4H.....	103
METAMAT™.....	104
MF2H.....	104
METAFLEX® 2000 .....	105
2HFFB.....	105
FR PRECOMPRESSED FOAM.....	106
2FRBCSF-SL.....	106
3FRBCSF-SL.....	106
WALL SYSTEMS.....	107
METABLOCK® .....	107
MBW2H.....	107
MBW3H.....	107
MBW4H.....	107
METAMAT™.....	108
MW2H.....	108
METAFLEX® 2000 .....	109
2HWFB.....	109
FR PRECOMPRESSED FOAM.....	110
2FRBCSW.....	110
3FRBCSW.....	110
SMOKE BARRIER.....	111
EJSB.....	111
FIRE BARRIER DETAILS .....	112
<b>STAIR NOSINGS</b> .....	114
RETROFIT.....	115
RS.....	115
SINGLE COMPONENT .....	116
H.....	116
P.....	116
CAST-IN/BLOCKOUT .....	116
PC.....	117
R-300.....	117
R-315.....	118
T-213.....	119
T-417.....	119
TWO COMPONENT .....	120
DST.....	120
DXH.....	120
XH.....	121
ABRASIVE BAR.....	122
ANB.....	122
AS.....	122
AB.....	122
STAIR NOSING DETAILS .....	123
<b>MATS &amp; GRIDS</b> .....	126
ENTRANCE FLOOR MATS .....	127
SURFACE ROLL-UP MATS.....	127
FMS-A.....	127
FMS-D.....	128
FMS-C.....	128
FM2S-C.....	128
RECESSED ROLL-UP MATS.....	129
FMR-A.....	129
FMR-D.....	130
FMR-C.....	130
FM2R-C.....	130
ENTRANCE FLOOR GRIDS.....	131
SHALLOW PIT GRIDS .....	131
FG1-A.....	131

FG1-D.....	132
FG1-C.....	132
FG1-S.....	132
DEEP PIT GRIDS.....	133
FGDP-A.....	133
FGDP-D.....	134
FGDP-C.....	134
FGDP-S.....	134
HEAVY DUTY LOW PROFILE GRIDS .....	135
FGLP-A.....	135
FGLP-D.....	136
FGLP-C.....	136
STAINLESS STEEL ULTRAGRID™ .....	137
SSMR.....	137
EXAMPLE: INSTALLED SSMR .....	138
MAT & GRID DETAILS .....	139

<b>TRENCH &amp; ACCESS</b> .....	142
TRENCH COVERS .....	143
TSA.....	143
TSP.....	144
TSD.....	144
TST.....	144
ACCESS COVERS .....	145
ACA.....	145
ACP.....	146
ACD.....	146
ACT.....	146
TRENCH & ACCESS DETAILS .....	147
EXAMPLE: INSTALLED TSA .....	148

<b>ILLUMITREAD™ EGRESS</b> .....	150
ABOUT PL .....	151
HANDRAIL.....	153
4010C.....	153
PLFA-100-H.....	153
DEMARICATION.....	154
4211C.....	154
PLTS-100.....	154
OBSTRUCTION MARKING .....	155
PLFA-100-OB.....	155
EXAMPLE: INSTALLED PLFA-100-OB.....	156
SIGNAGE .....	157
1500-1504.....	157
1505-1510.....	158
1511-1516.....	159
1517-1522.....	160
1523, 1524, 1529-1532 .....	161
1545-1550.....	162
1551-1554, 1560.....	163
RETROFIT STAIR NOSINGS.....	164
4120.....	164
8120.....	164
RS-405-PL-100.....	165
CAST-IN/BLOCKOUT STAIR NOSINGS .....	166
DXH-330-PL-100.....	166
P-3310-PL-100.....	167
R-300-PL-100.....	168
R-315P-PL-100.....	169
ILLUMITREAD™ EGRESS DETAILS.....	170

<b>RESOURCES</b> .....	172
COLOR CHART.....	173
LOAD DATA SHEET .....	177
PRODUCT INDEX.....	179

COMPLETE TURNKEY  
MANUFACTURING  
SERVICES FROM LAYOUT  
AND DESIGN  
TO PRODUCTION  
AND SHIPMENT



ISO CERTIFIED  
QUALITY  
MANAGEMENT  
SYSTEM  
SINCE 1992

ALL PRODUCTS  
FABRICATED  
ENTIRELY  
IN AMERICA

HIGH-CALIBER  
TEAM OF  
SKILLED ENGINEERS,  
EXPERIENCED DRAFTERS,  
AND HIGHLY-  
KNOWLEDGEABLE  
STAFF

HIGHLY  
CUSTOMIZABLE  
PRODUCTS TO MEET  
THE NEEDS OF  
ANY PROJECT

AWARDED 2016  
PRESIDENT'S  
"E" AWARD FOR  
EXPORTING

WORLDWIDE  
DISTRIBUTION

O'HARE INT'L AIRPORT  
Chicago, IL



DEVON ENERGY  
CENTER  
Oklahoma City, OK



JFK INT'L AIRPORT  
New York City, NY



UCF COLLEGE  
OF MEDICINE  
Orlando, FL



EXPLORATION PLACE  
Wichita, KS



GOOGLE HQ  
Mountain View, CA



SPRING VALLEY  
HOSPITAL  
Las Vegas, NV



HIGH-PERFORMANCE,  
QUALITY PRODUCTS  
SPECIFIED BY  
ARCHITECTS, ENGINEERS  
AND CONTRACTORS  
FROM AROUND THE WORLD



GEORGIA AQUARIUM  
Atlanta, GA



GOLDMAN SACHS  
New York City, NY



MIDWAY INT'L AIRPORT  
Chicago, IL



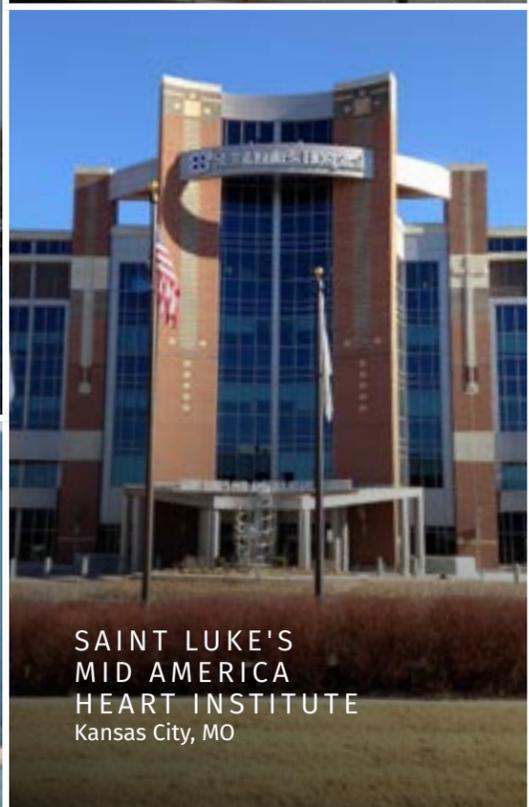
STATUE OF LIBERTY  
New York City, NY



HK CONVENTION CENTER  
Hong Kong, China



SAINT LUKE'S  
MID AMERICA  
HEART INSTITUTE  
Kansas City, MO



FACEBOOK  
DATA CENTER  
Altoona, IA



MAYO CLINIC  
Rochester, MN





HAMAD BIN KHALIFA  
MEDICAL CITY  
Doha, Qatar



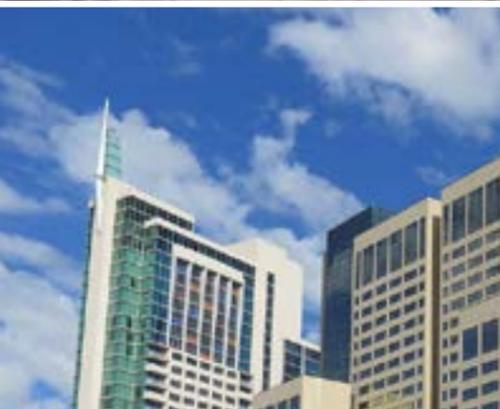
RIVERWALK  
San Antonio, TX



LAX AIRPORT  
Los Angeles, CA



BARCLAYS CENTER  
New York City, NY



HYATT REGENCY  
Orlando, FL



CENTURYLINK FIELD  
Seattle, WA



NATIONAL OCEANIC  
AND ATMOSPHERIC  
ADMINISTRATION  
Silver Spring, MD



JORGE CHÁVEZ AIRPORT  
Lima, Peru



IFC MALL  
Hong Kong, China



BILL & MELINDA  
GATES FOUNDATION  
Seattle, Washington



PENTAGON  
Washington, D.C.



NATIONAL AIR AND  
SPACE MUSEUM  
of the Smithsonian Institution  
Washington, D.C.



TIME WARNER CENTER  
New York City, NY



BELLAGIO HOTEL  
Las Vegas, NV



HONDA CENTER  
Anaheim, CA



JOHN WAYNE AIRPORT  
Santa Ana, CA



PETRONAS TOWERS  
Kuala Lumpur, Malaysia

# LAYOUT GUIDE

PRODUCT CATEGORY  
SAMPLE  
**SERIES**

**MODEL**

Description



Breadcrumb Path for Context

(See Next Page)

**APPLICATION**

• XXX

**FEATURES**

• X  
• X  
• X

Name of Product

**PERFORMANCE**

• XXX

**JOINT SIZES**

Range of Sizes in Inches

**MOVEMENT**

% of Expansion/Contr. Movement

% of Lateral Movement

% of Vertical Movement

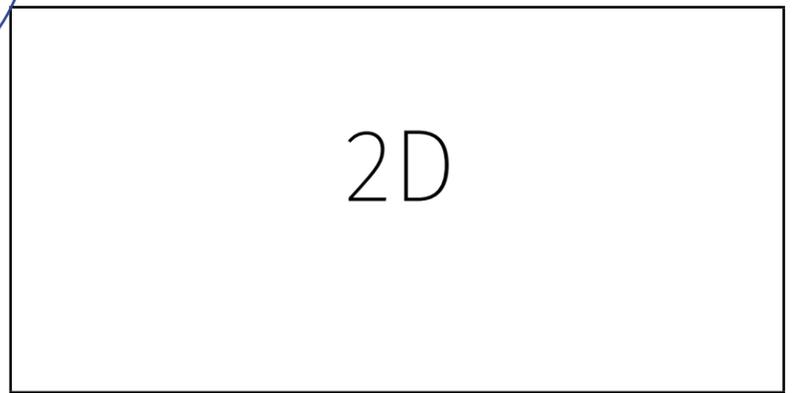
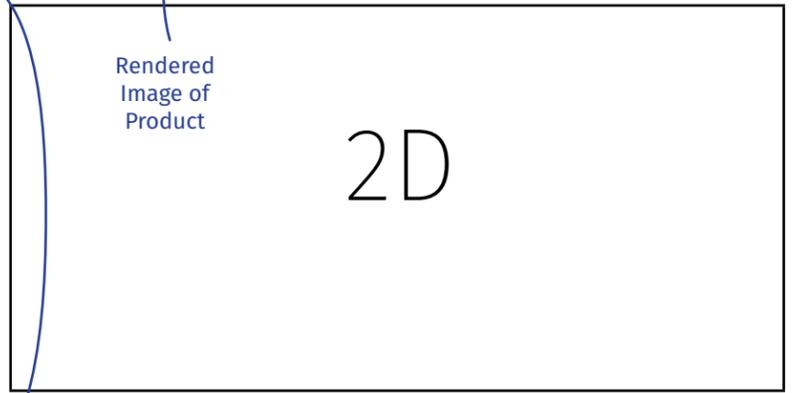
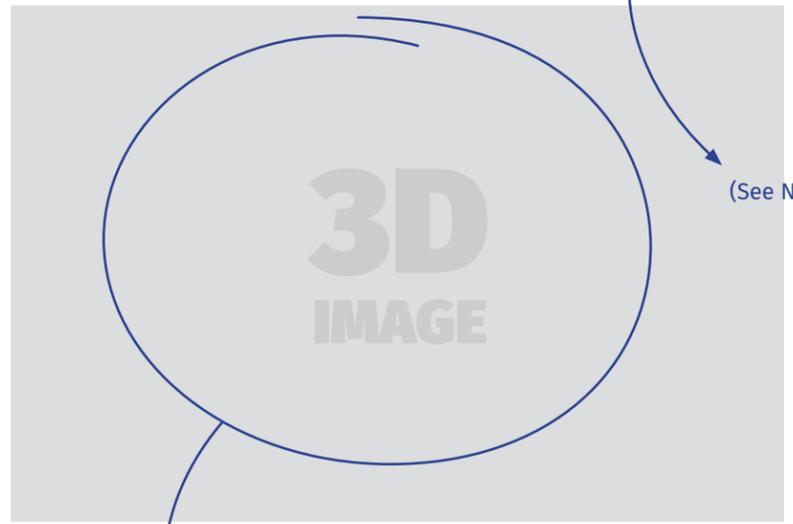
**LOAD**

Load-bearing Level

Tabs for Context and Quickly Locating Sections

Tech Data Icons

Quick-reference Balco Contact info



## ICON LEGEND



**FIRE-RATED OPTION AVAILABLE**  
Can be used with appropriate Balco Fire Barrier; Browse Fire Barrier Section starting p. 101



**WATER BARRIER OPTION AVAILABLE**  
Can be installed with Balco Water Barrier



**STAINLESS STEEL OPTION AVAILABLE**  
Contact Balco for details



**POPULAR / FAVORITE**  
Commonly specified and/or frequently purchased

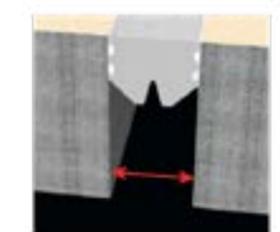
**FIRE-RATED:**  
Construction material assembly intended to contain or provide a resistance to the passage of fire or smoke for a specified period of time.

## DEFINITIONS

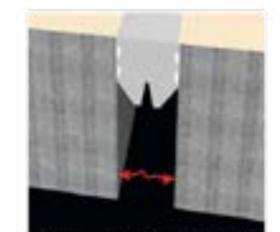


**JOINT MOVEMENT**

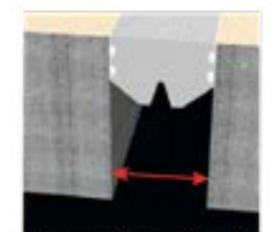
The amount of expansion or contraction between two adjoining construction components, expressed as either a numerical value (±1") or a percentage (±50%) of nominal width that the joint can open from its nominal position. (For example, a 2" expansion joint designated as "±50% movement" would open to 3" and close to 1").



Nominal (Static) Width



Minimum (Closed) Width



Maximum (Opened) Width



**LATERAL SHEAR MOVEMENT**

Motion of two adjoining construction components in a horizontal plane, parallel to the joint.



**VERTICAL SHEAR MOVEMENT**

Motion of two adjoining construction components in a vertical plane, parallel to the joint.



**SEISMIC**

As per ASTM E1399, a full cycle duration of 2 seconds, and a distance of movement (perpendicular to the building components) ranging from 1 inch up to 48 inches (or more). (Does not necessarily incorporate shear movement).

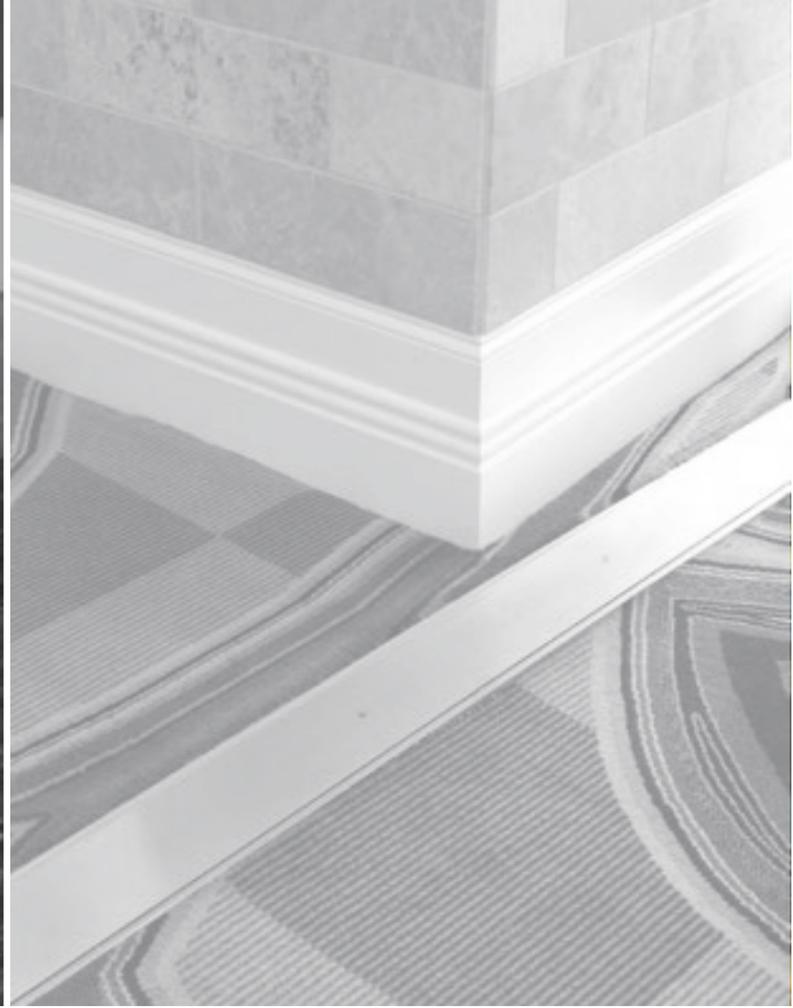


# EXPANSION JOINT SYSTEMS



Balco's expansion joint cover assemblies are the perfect combination of form and function. They blend in discretely with their surroundings while simultaneously accommodating building movement related to thermal, wind and/or

seismic forces. They have been specifically designed to meet recognized building codes and test standards for performance. Out of the numerous options available, Balco has the solution to fit any project.



ARCHITECTURAL SYSTEMS  
**INTERIOR FLOORS**



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
**NO BUMP SERIES**

**NBR** Tile Recessed

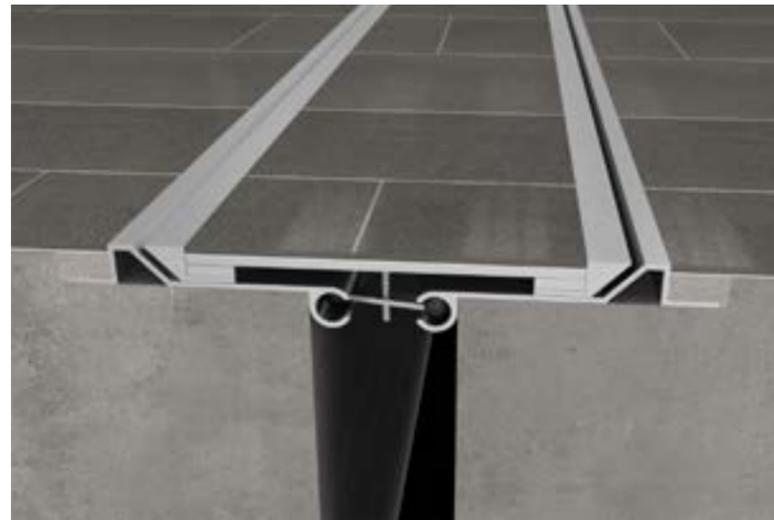


**APPLICATION**

- Floor cover with infill recess, flush with surrounding floor

**FEATURES**

- Designed for no "bump" across floor transitions
- Accommodates flooring within recess; narrow exposed sightline
- No exposed fasteners
- Centering bar device holds cover in place throughout movement
- Blockout installation only
- Ships in 10' lengths
- 1/8", 3/16" and 3/8" recess depths available



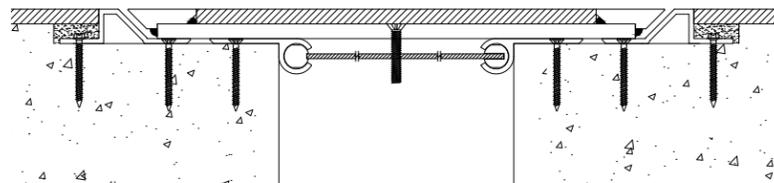
NBR - Floor-to-floor

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**JOINT SIZES**

1-12"

**MOVEMENT**

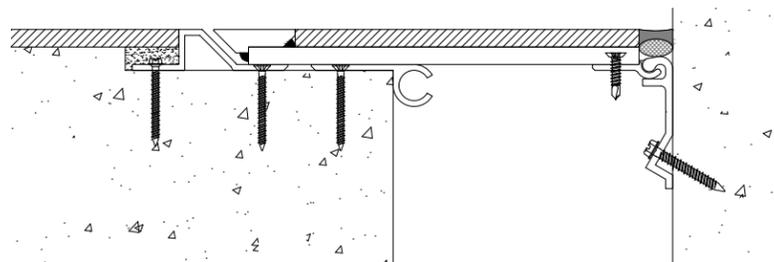
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



NBRL - Floor-to-wall

Shown with 6" joint and 3/8" recess

**LOAD**

Pedestrian



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
**NO BUMP SERIES**

**NBAF** Smooth



**APPLICATION**

- Floor cover with exposed plate, flush with surrounding floor

**FEATURES**

- Designed for no "bump" across floor transitions
- Centering bar holds cover in place throughout movement
- Blockout installation only
- Ships in 10' lengths
- Aluminum standard; stainless steel option available (subject to upcharge)



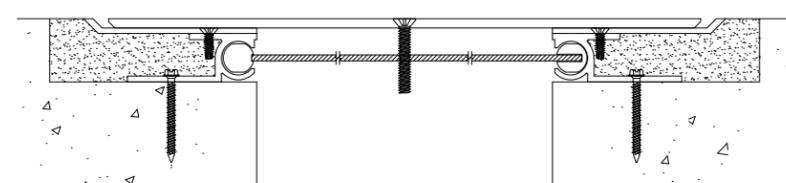
NBAF - Floor-to-floor

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**JOINT SIZES**

1-12"

**MOVEMENT**

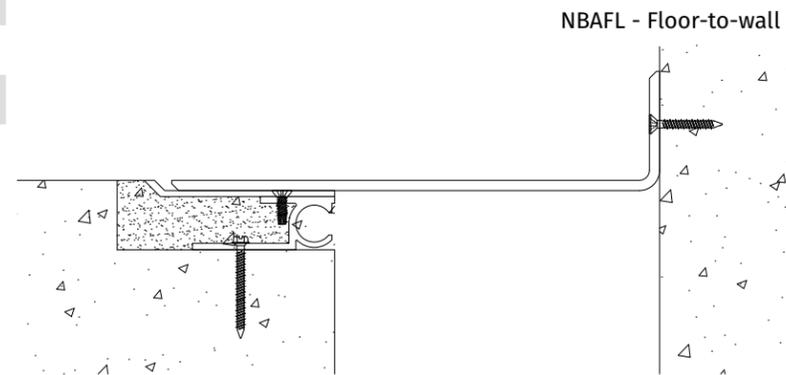
±50% to ±100% Expansion/Contr.



±50% Lateral Shear



Vertical Shear (Contact Factory)



NBAFL - Floor-to-wall

Shown with 6" joint

Stainless steel versions: NBSF & NBSFL

**LOAD**

Pedestrian





EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
NO BUMP SERIES

**HDNB** Smooth Heavy Duty



**APPLICATION**

- Heavy duty floor cover with exposed plate, flush with surrounding floor

**FEATURES**

- Designed for heavy loading
- Designed for no "bump" across floor transitions
- Centering bar device holds cover in place throughout movement
- Blockout installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2-8"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

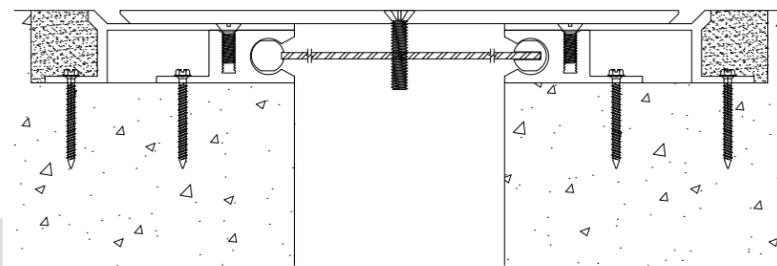


**LOAD**

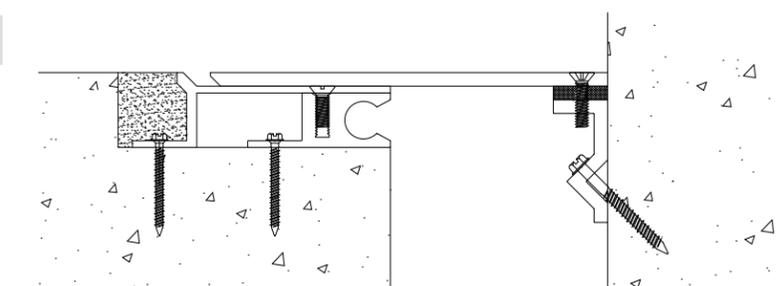
Pedestrian through Scissor Lift\*



HDNB - Floor-to-floor



HDNBL - Floor-to-wall



Shown with 4" joint

\*Excludes joints over 6." See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
**PAN SERIES**



**PJC** Pan System



**APPLICATION**

- Floor cover with deep infill pan, flush with surrounding floor

**FEATURES**

- Designed for minimal "bump" across floor transitions
- Accommodates flooring within recess; narrow exposed sightline
- No exposed fasteners
- Centering bar device holds cover in place throughout movement (PJCL excluded)
- Blockout installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

3-24"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

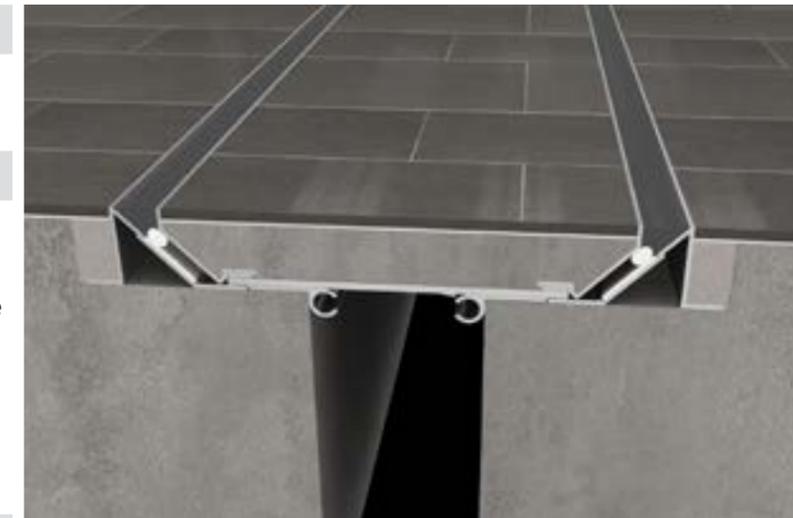


Vertical Shear (Contact Factory)

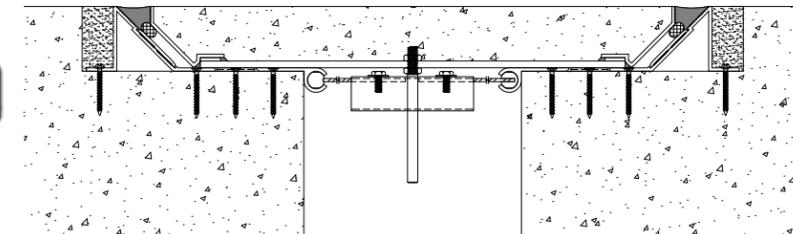


**LOAD**

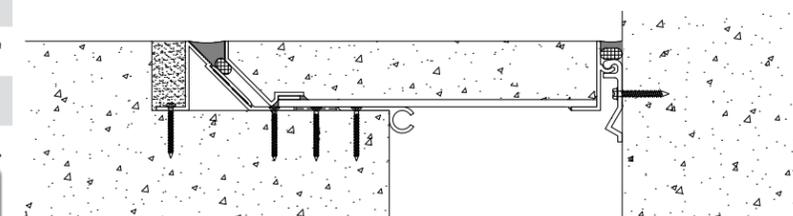
Pedestrian through X-Ray\*



PJC - Floor-to-floor



PJCL - Floor-to-wall



Shown: 8" joint

\*See load data sheet (pages 177 & 178) for details.





# GLIDE PLATE SERIES

## 6FA Abrasive-filled

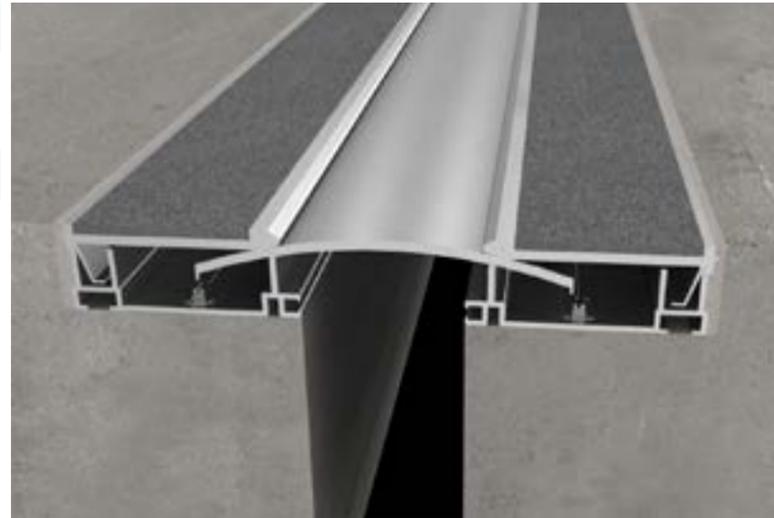


### APPLICATION

- Floor covers with abrasive infill, flush with surrounding floor

### FEATURES

- Designed for minimal "bump" across floor transitions
- Glide plate self-centers during movement
- Proprietary, slip-resistant epoxy abrasive
- Multiple abrasive color options available\*
- Blockout installation only
- Ships in 10' lengths
- Aluminum standard; stainless steel option available (subject to upcharge)



6FA - Floor-to-floor

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

1-8"+

### MOVEMENT

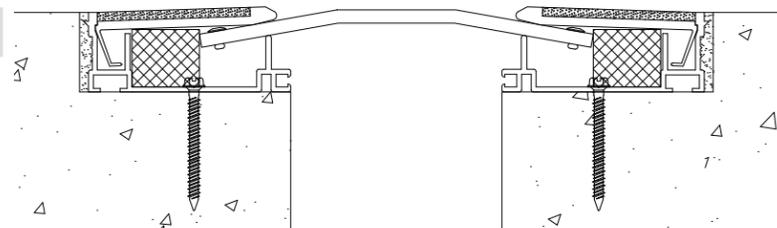
±50% to ±100% Expansion/Contr.



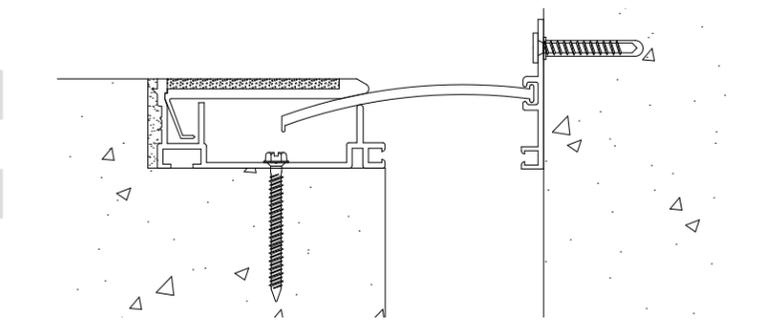
±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



6FVA - Floor-to-wall



Shown: 2-3" joint

Stainless steel versions: SS6FA & SS6FVA

### LOAD

Pedestrian



\*See details (page 94).



## 6FC Carpet Recessed

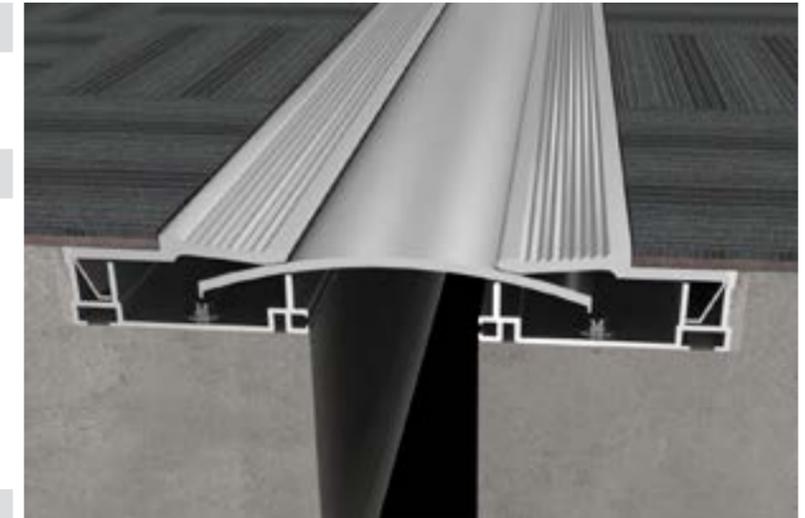


### APPLICATION

- Floor covers with carpet infill, flush with surrounding floor

### FEATURES

- Designed for minimal "bump" across floor transitions
- Glide plate self-centers during movement
- Blockout installation only
- Ships in 10' lengths
- Aluminum standard; stainless steel option available (subject to upcharge)



6FC - Floor-to-floor

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

1-8"+

### MOVEMENT

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

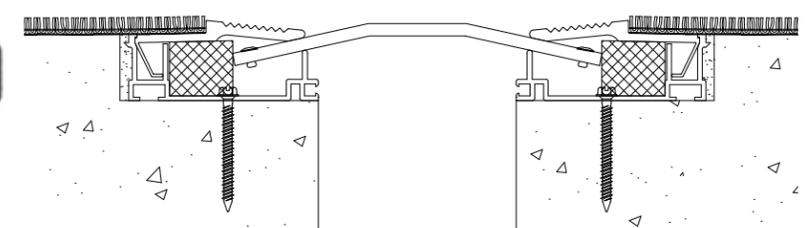


Vertical Shear (Contact Factory)

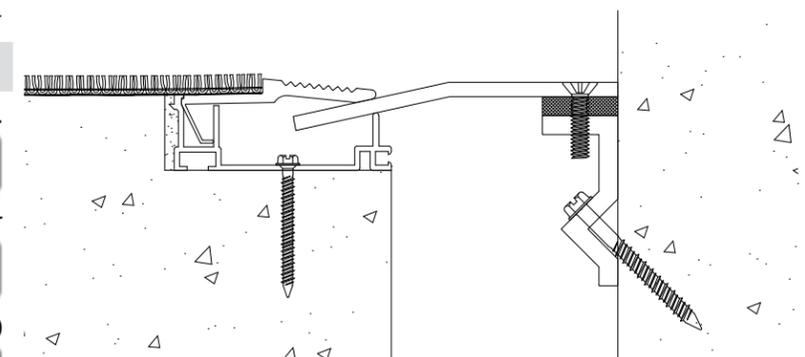


### LOAD

Pedestrian



6FVC - Floor-to-wall



Shown: 2-3" joint

Stainless steel versions: SS6FC & SS6FVC



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
GLIDE PLATE SERIES

**6FP** Smooth

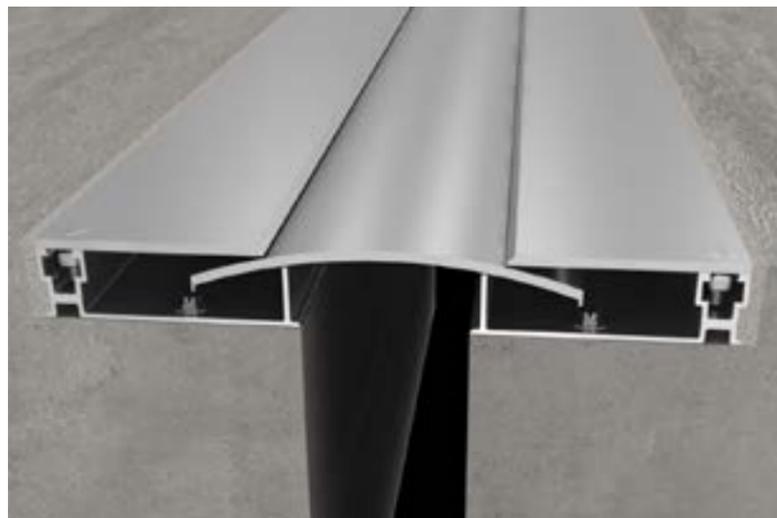


**APPLICATION**

- Exposed floor covers, flush with surrounding floor

**FEATURES**

- Designed for minimal "bump" across floor transitions
- Glide plate self-centers during movement
- Blockout installation only
- Ships in 10' lengths
- Aluminum standard; stainless steel option available (subject to upcharge)



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-8"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

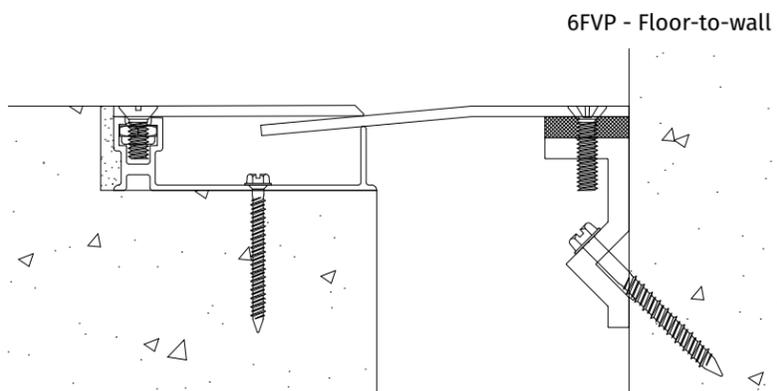
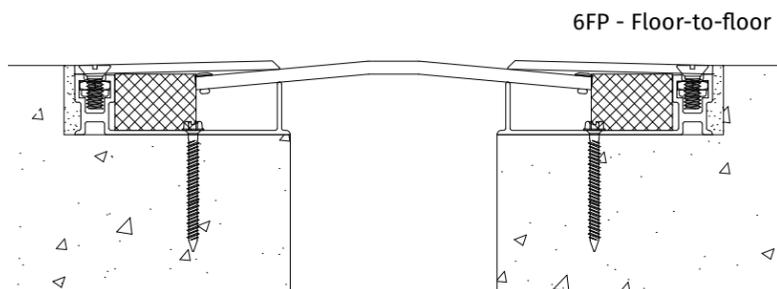


Vertical Shear (Contact Factory)



**LOAD**

Pedestrian



Shown: 2-3" joint

Stainless steel versions: SS6FP & SS6FVP



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
GLIDE PLATE SERIES

**6FS** Grooved

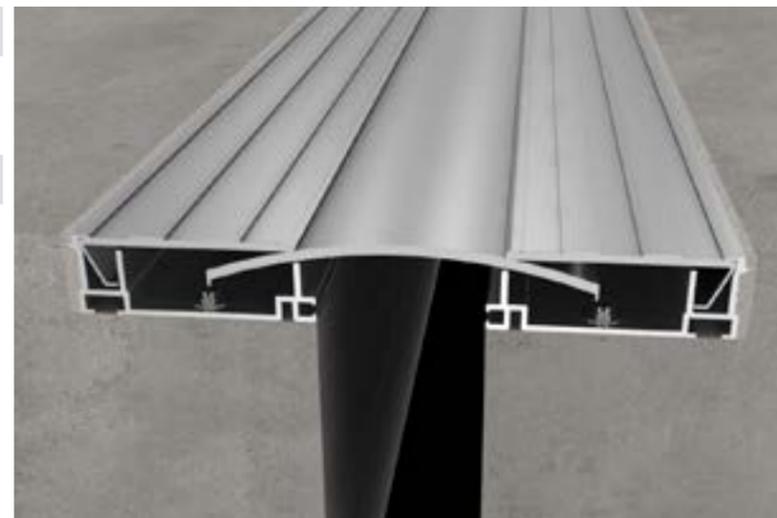


**APPLICATION**

- Serrated floor covers, flush with surrounding floor

**FEATURES**

- Designed for minimal "bump" across floor transitions
- Exposed grooved covers
- Glide plate self-centers during movement
- Blockout installation only
- Ships in 10' lengths
- Aluminum standard; stainless steel option available (subject to upcharge)



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-8"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

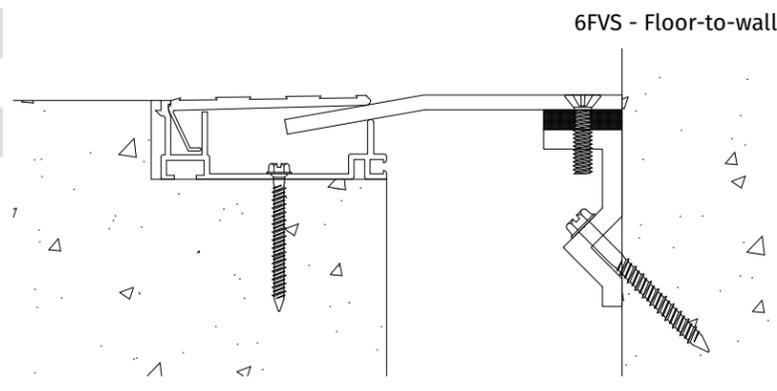
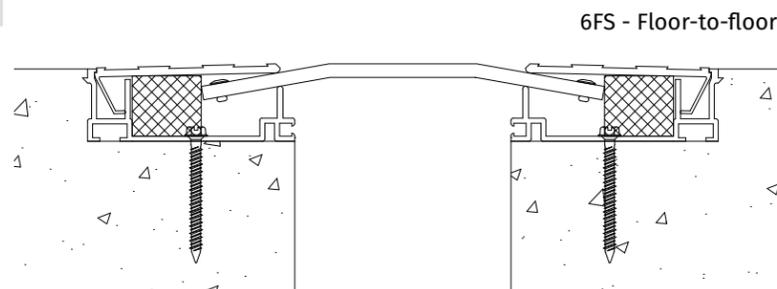


Vertical Shear (Contact Factory)



**LOAD**

Pedestrian



Shown: 2-3" joint

Stainless steel versions: SS6FS & SS6FVS



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
GLIDE PLATE SERIES

**6FTP** Tile Recessed

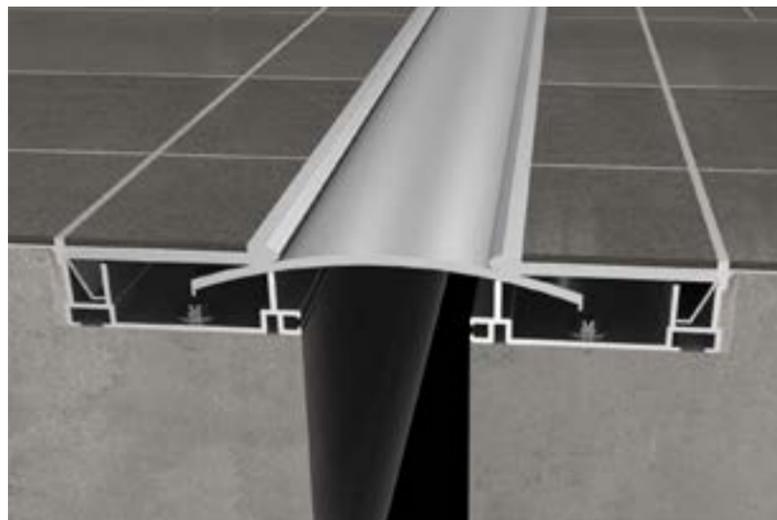


**APPLICATION**

- Floor covers with tile infill, flush with surrounding floor

**FEATURES**

- Designed for minimal "bump" across floor transitions
- Glide plate self-centers during movement
- Blockout installation only
- Ships in 10' lengths
- Aluminum cover standard; stainless steel option available (subject to upcharge)



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-8"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

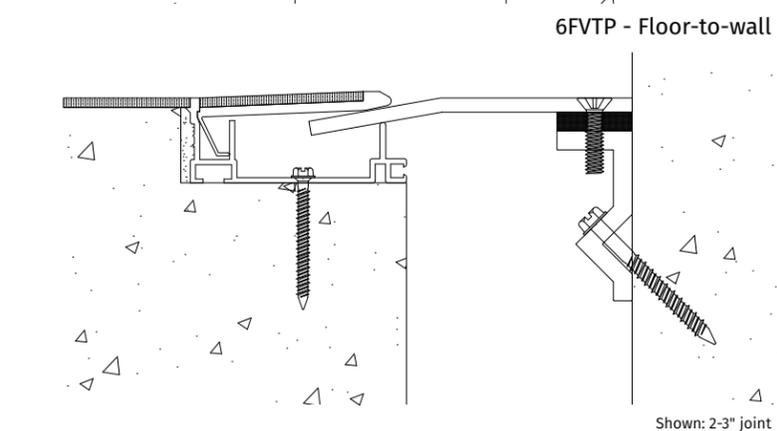
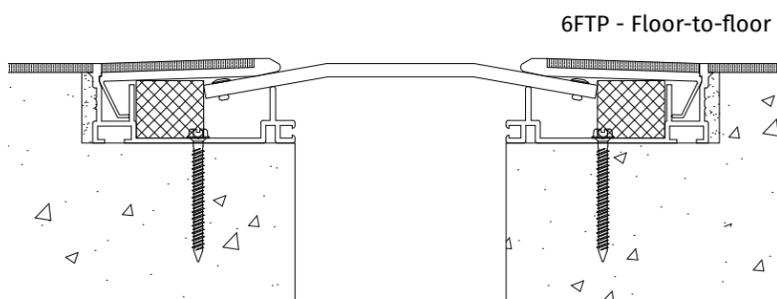


Vertical Shear (Contact Factory)



**LOAD**

Pedestrian



Stainless steel versions: SS6FTP & SS6FVTP

Shown: 2-3" joint



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
GLIDE PLATE SERIES

**XH4FS** Serrated Heavy Duty

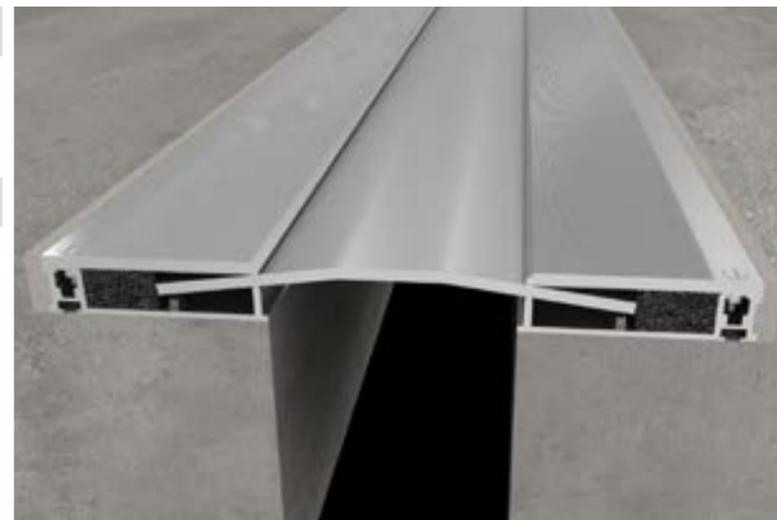


**APPLICATION**

- Serrated heavy duty floor covers, flush with surrounding floor

**FEATURES**

- Designed for heavy loading
- Designed for minimal "bump" across floor transitions
- Exposed serrated covers
- Glide plate self-centers during movement
- Blockout installation only
- Ships in 10' lengths
- Aluminum standard; stainless steel option available (subject to upcharge)



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-4"

**MOVEMENT**

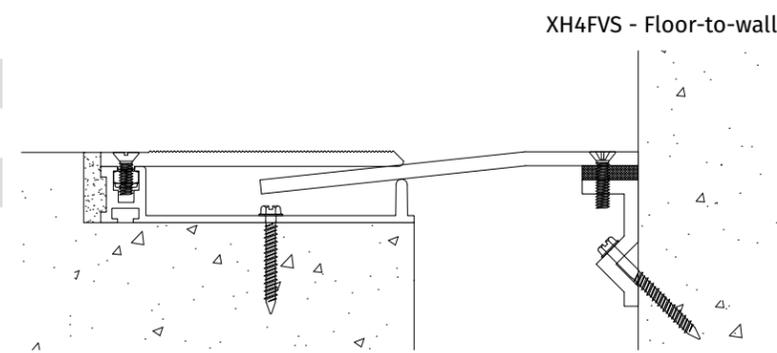
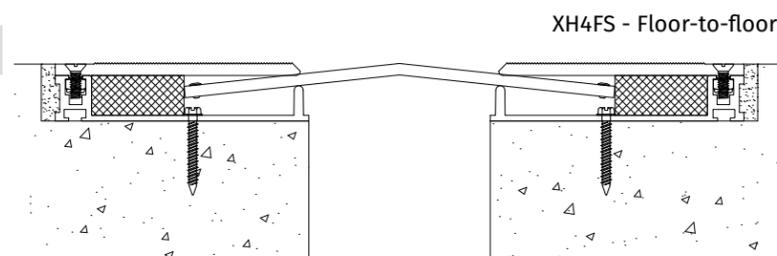
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



Stainless steel versions: SSXH4FS & SSXH4FVS

Shown: 4" joint

**LOAD**

Pedestrian through Passenger Cart\*



\*Excludes joints over 4." See load data sheet (pages 177 & 178) for details.



# ELASTOMERIC SEAL SERIES

## 75FCE Carpet Surface Mount



### APPLICATION

- Surface mount floor cover with flanges for carpet, with an elastomeric seal

### FEATURES

- Extruded santoprene seal
- Narrow exposed sightline
- No exposed fasteners
- Surface mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

### PERFORMANCE

- Thermal movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

1-2"

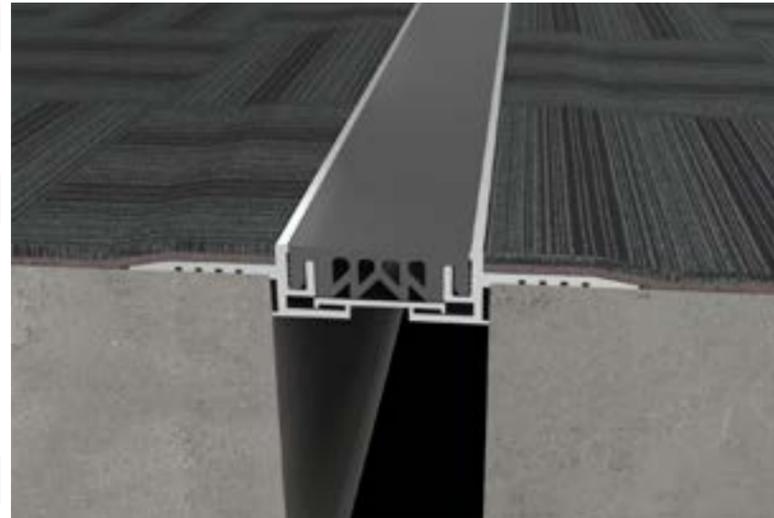
### MOVEMENT

±25% Expansion/Contr.

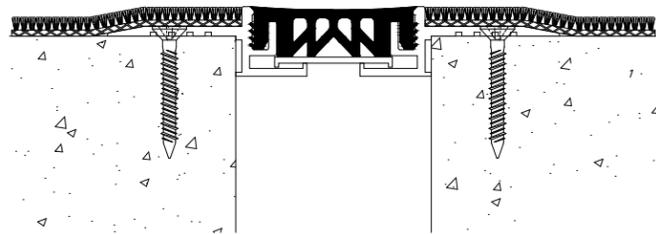


### LOAD

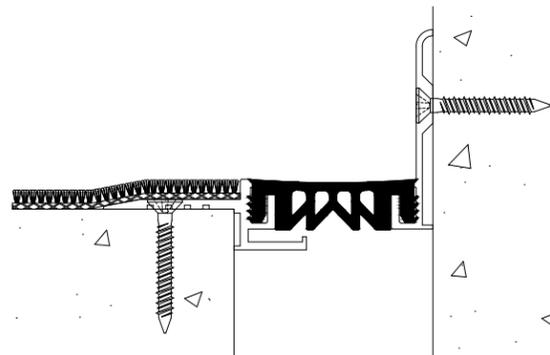
Pedestrian



75FCE - Floor-to-floor



75FVCE - Floor-to-wall



Shown: 2" joint

\*See details (page 93).



## 75FP Recessed Mount



### APPLICATION

- Recessed floor cover flush with surrounding flooring, with an elastomeric seal

### FEATURES

- Extruded santoprene seal
- Narrow exposed sightline
- No exposed fasteners
- Recessed mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

### PERFORMANCE

- Thermal movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

1-2"

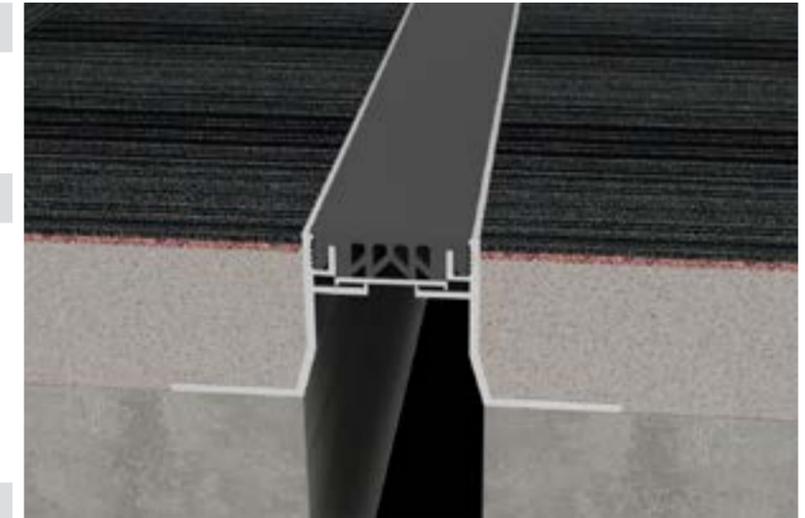
### MOVEMENT

±25% Expansion/Contr.

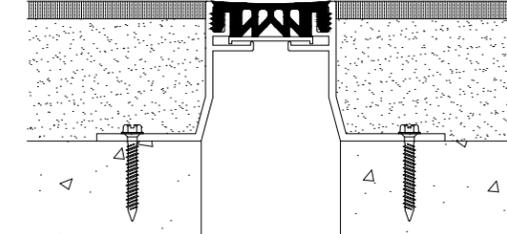


### LOAD

Pedestrian

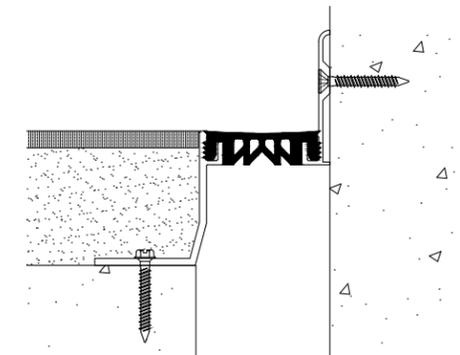


75FP - Floor-to-floor



Available in 0.75", 1", 1.5" and 2" depths

75FVP - Floor-to-wall



Available in 0.75", 1", 1.5" and 2" depths

Shown: 2" joint

\*See details (page 93).



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
ELASTOMERIC SEAL SERIES

**75FPE** Smooth Surface Mount



**APPLICATION**

- Exposed surface mount floor cover, with an elastomeric seal; ideal for retrofit applications

**FEATURES**

- Extruded santoprene seal
- Surface mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

**PERFORMANCE**

- Thermal movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-2"

**MOVEMENT**

±25% Expansion/Contr.

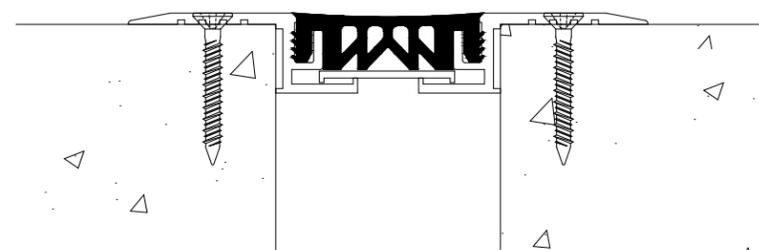


**LOAD**

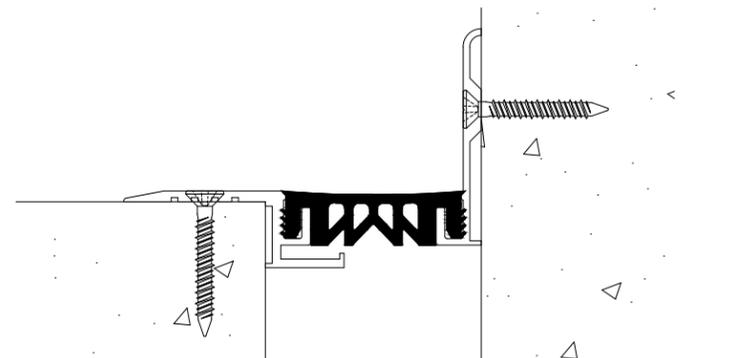
Pedestrian



75FPE - Floor-to-floor



75FVPE - Floor-to-wall



Shown: 2" joint

\*See details (page 93).



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
ELASTOMERIC SEAL SERIES

**75FTE** Tile Surface Mount



**APPLICATION**

- Exposed surface mount floor cover flush with tile flooring, with an elastomeric seal

**FEATURES**

- Extruded santoprene seal
- Surface mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

**PERFORMANCE**

- Thermal movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-2"

**MOVEMENT**

±25% Expansion/Contr.

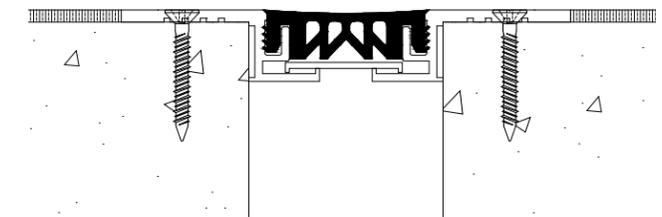


**LOAD**

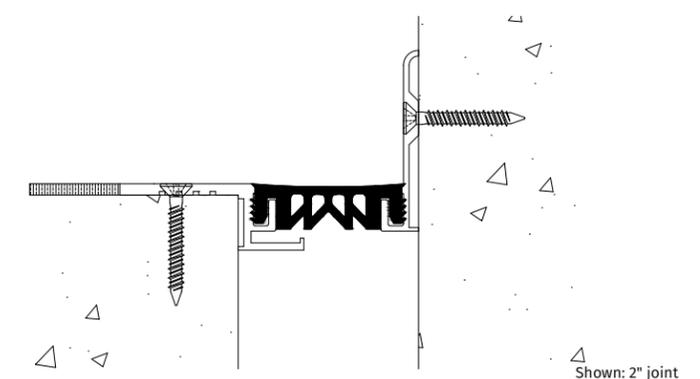
Pedestrian



75FTE - Floor-to-floor



75FVTE - Floor-to-wall



Shown: 2" joint

\*See details (page 93).



# DUAL ELASTOMERIC SEAL SERIES

## 95GFPB Smooth

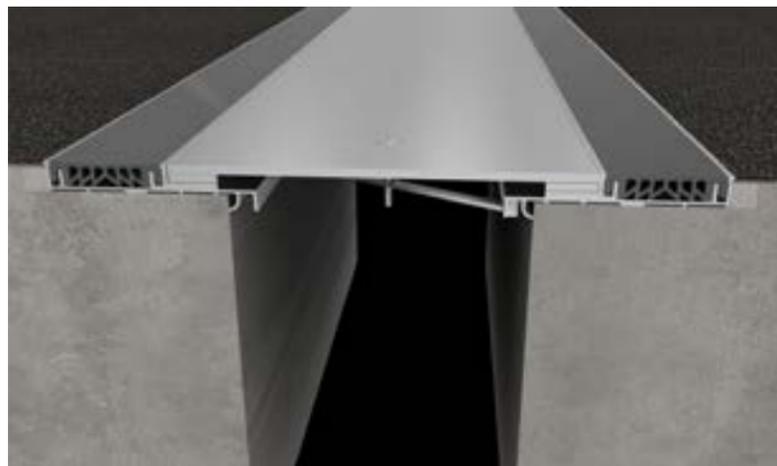


### APPLICATION

- Floor cover with exposed plate, flush with surrounding floor, with two elastomeric seals

### FEATURES

- Extruded santoprene seals
- Centering bar device holds cover in place throughout movement (95GFVPB excluded)
- Blockout installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths



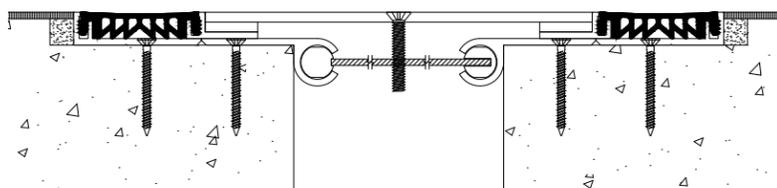
95GFPB - Floor-to-floor

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



### JOINT SIZES

2-12"+

### MOVEMENT

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



### LOAD

Pedestrian



\*See details (page 93).



## 95GFTB Tile Recessed



### APPLICATION

- Floor cover with infill recess flush with tile flooring, with two elastomeric seals

### FEATURES

- Accommodates flooring within recess; narrow exposed sightline
- Extruded santoprene seals
- Centering bar device holds cover in place throughout movement (95GFVTB excluded)
- Blockout installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths



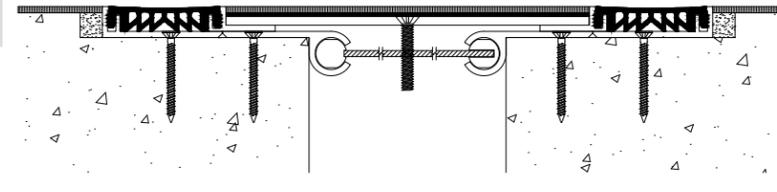
95GFTB - Floor-to-floor

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



### JOINT SIZES

2-12"+

### MOVEMENT

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



### LOAD

Pedestrian



\*See details (page 93).



# GYMNASIUM SERIES

## 1120 (& 1420)

### Recessed



#### APPLICATION

- Floor cover with exposed plate, flush with both flooring, with an elastomeric seal

#### FEATURES

- Designed for minimal "bump" across floor transitions
- Vinyl seal; Black and gray options available
- Blockout installation only
- Ships in 10' lengths

#### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

#### JOINT SIZES

1-2"

#### MOVEMENT

±50% Expansion/Contr.

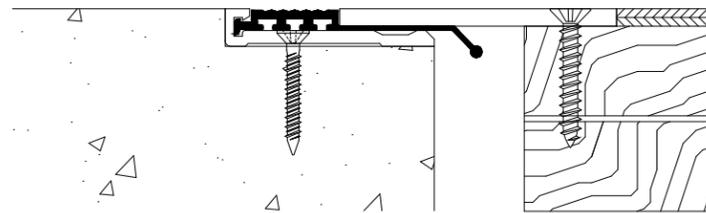


#### LOAD

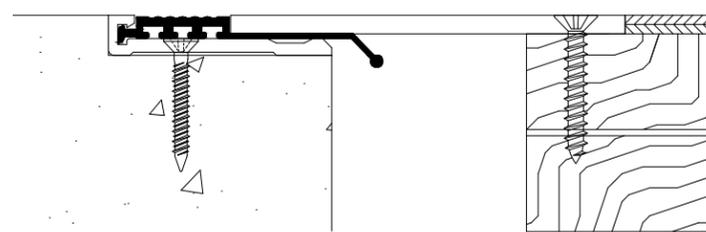
Pedestrian



1120 - 1" Joint



1420 - 2" Joint



## G Surface Mount Plate



#### APPLICATION

- Exposed surface mount plate

#### FEATURES

- Easy to install
- Easy to clean
- Surface mount installation only
- Ships in 10' lengths

#### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

#### JOINT SIZES

1-2"

#### MOVEMENT

±50% Expansion/Contr.



±50% Lateral Shear

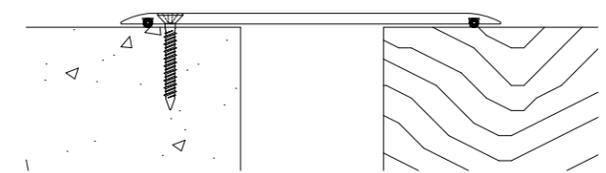


#### LOAD

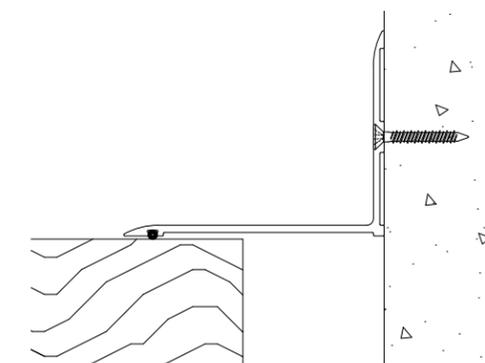
Pedestrian



GF - Floor-to-floor



GC - Floor-to-wall



Shown: 2" joint



# SURFACE PLATE SERIES

## BCP Carpet



### APPLICATION

- Floor cover saddle plate accommodating carpet

### FEATURES

- Narrow exposed sightline
- Exposed serrated edge
- Surface mount installation only
- Ships in 10' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

1-2"

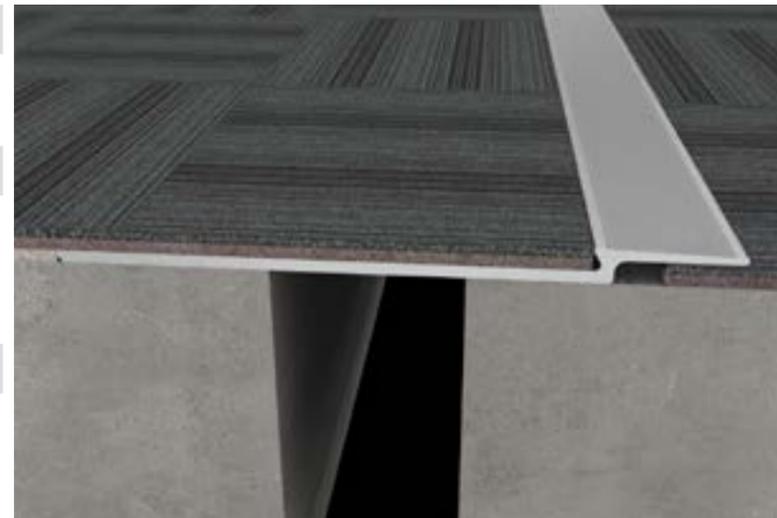
### MOVEMENT

±50% Expansion/Contr.

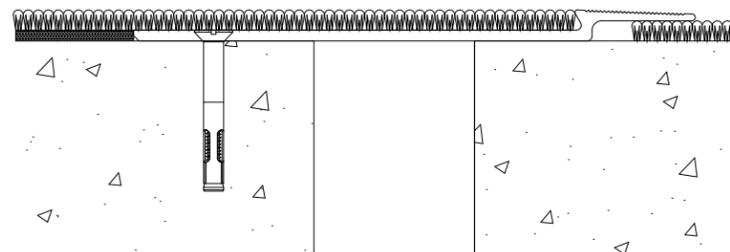


### LOAD

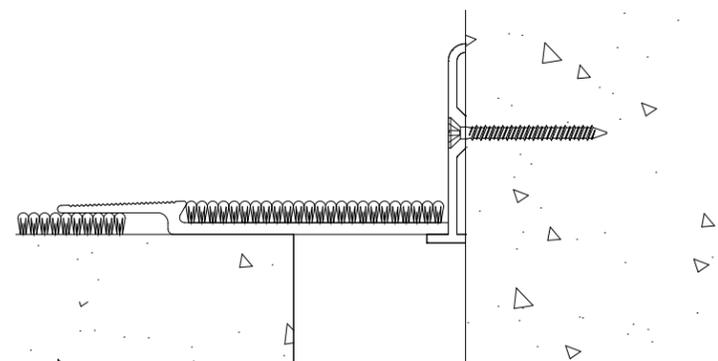
Pedestrian



BCP - Floor-to-floor



BCPL - Floor-to-wall



Shown: 2" joint



## BHS Hinge



### APPLICATION

- Heavy duty exposed surface mount plate with hinge

### FEATURES

- Easy to install
- Designed for heavy loading
- Exposed serrated plate
- Surface mount installation only
- Ships in 10' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

2-6"

### MOVEMENT

±50% Expansion/Contr.



±50% Lateral Shear



Vertical Shear (Contact Factory)

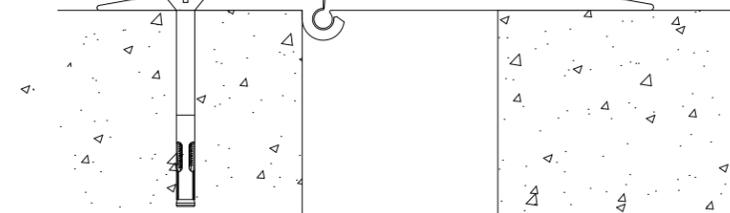


### LOAD

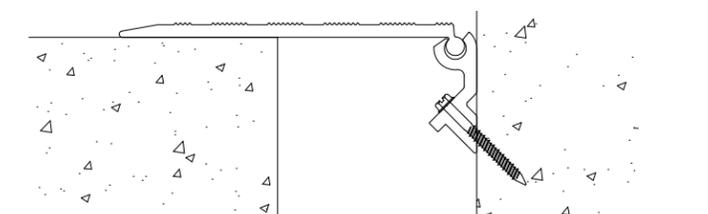
Pedestrian through Slow Vehicular\*



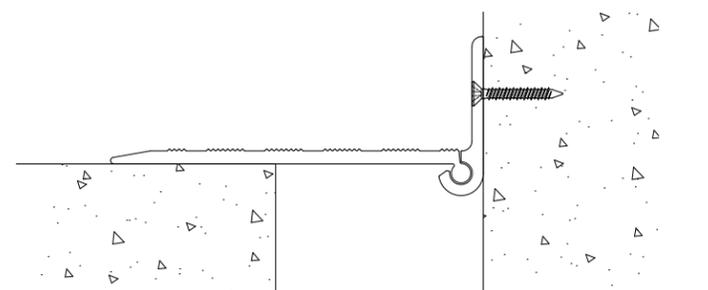
BHS - Floor-to-floor



BHSE - Floor-to-wall



BHSL - Floor-to-wall



Shown: 4" joint

\*With flush installations only. Excludes joints over 2." See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
SURFACE PLATE SERIES

**EXBF** Smooth



**APPLICATION**

- Surface mount floor cover with exposed plate

**FEATURES**

- Easy to install
- Easy to clean
- Centering bar device holds cover in place throughout movement (EXBFL excluded)
- Surface mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2-12"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

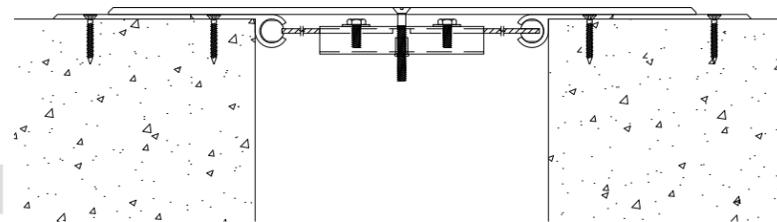


**LOAD**

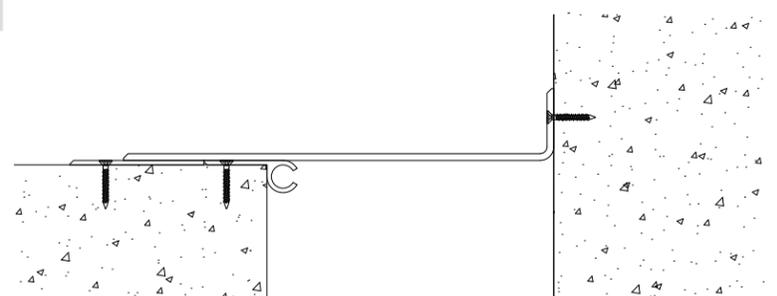
Pedestrian



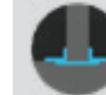
EXBF - Floor-to-floor



EXBFL - Floor-to-wall



Shown: 8" joint



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
SURFACE PLATE SERIES

**EXF** Tile



**APPLICATION**

- Surface mount floor cover flush with tile with exposed plate

**FEATURES**

- Easy to install
- Easy to clean
- Centering bar device holds cover in place throughout movement (EXFL excluded)
- Surface mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2-12"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

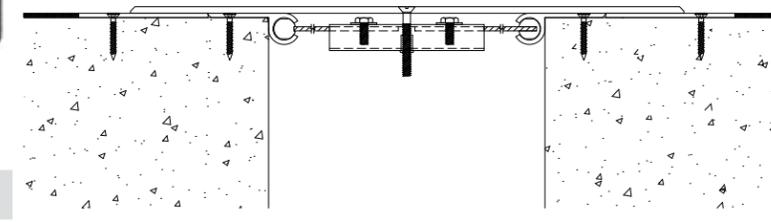


**LOAD**

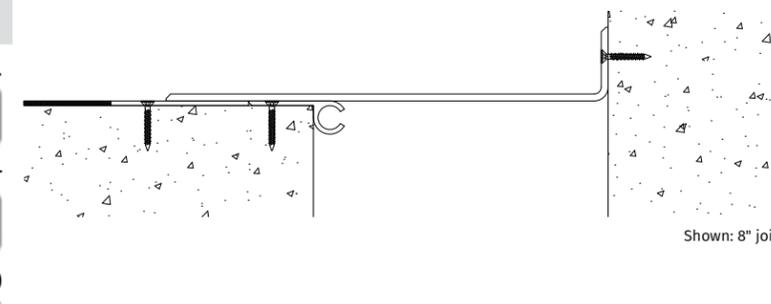
Pedestrian



EXF - Floor-to-floor



EXFL - Floor-to-wall



Shown: 8" joint



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR FLOORS  
SURFACE PLATE SERIES

**RPA** Serrated Plate



**APPLICATION**

- Exposed surface mount plate;
- ideal for retrofit applications

**FEATURES**

- Easy to install
- Exposed serrated plate
- Surface mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-6"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

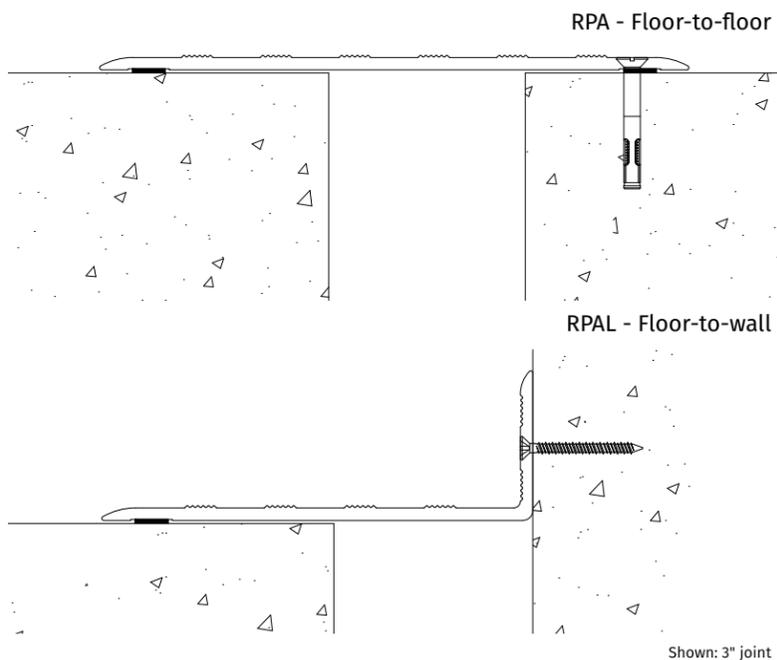


Vertical Shear (Contact Factory)



**LOAD**

Pedestrian



ARCHITECTURAL SYSTEMS  
**INTERIOR WALLS  
& CEILINGS**



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
**GLIDE PLATE SERIES**

**6GW** Recessed



**APPLICATION**

- Wall covers flush with drywall

**FEATURES**

- Easy to clean
- No exposed fasteners
- Paintable option available (contact factory for details)\*
- Glide plate can be formed to custom corners
- Flush mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

1-8"+

**MOVEMENT**

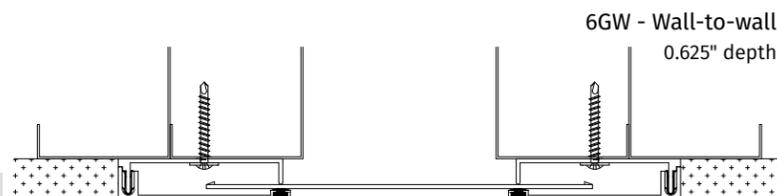
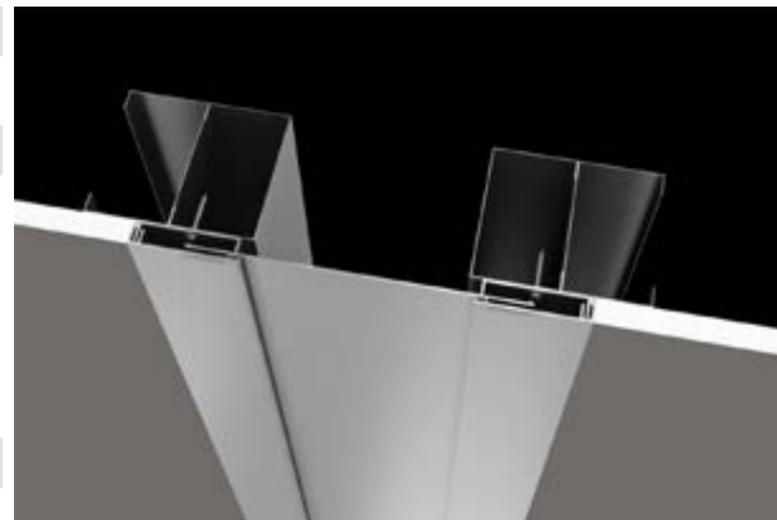
±50% to ±100% Expansion/Contr.



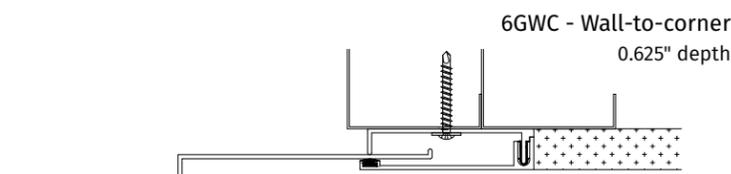
±50% to ±100% Lateral Shear



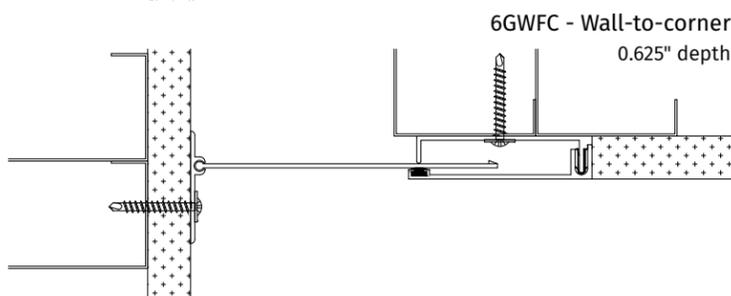
Vertical Shear (Contact Factory)



6GW - Wall-to-wall  
0.625" depth



6GWC - Wall-to-corner  
0.625" depth

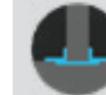


6GWFC - Wall-to-corner  
0.625" depth

Shown: 2-3" joint

Stainless steel versions: SS6GW & SS6GWC

\*Subject to additional charges and extended lead times.



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
**GLIDE PLATE SERIES**

**6TW** Surface Mount



**APPLICATION**

- Surface mount wall covers

**FEATURES**

- Easy to clean
- No exposed fasteners
- Paintable option available (contact factory for details)\*
- Glide plate; can be formed to custom corners
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

1-8"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



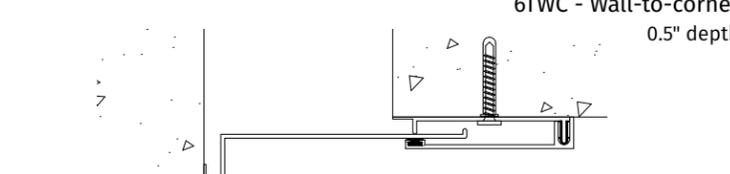
±50% to ±100% Lateral Shear



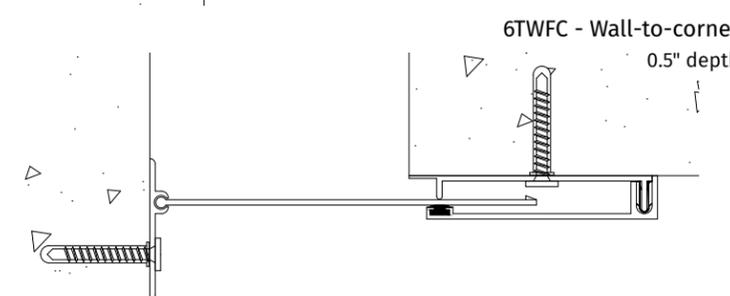
Vertical Shear (Contact Factory)



6TW - Wall-to-wall  
0.5" depth



6TWC - Wall-to-corner  
0.5" depth



6TWFC - Wall-to-corner  
0.5" depth

Shown: 2-3" joint

Stainless steel versions: SS6TW & SS6TWC

\*Subject to additional charges and extended lead times.





# ELASTOMERIC SEAL SERIES

## 75FCA Acoustical Ceiling

### APPLICATION

- Ceiling cover flush with acoustical tiles, with an elastomeric seal

### FEATURES

- Extruded santoprene seal
- No exposed fasteners
- Flush mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

### PERFORMANCE

- Thermal movement per ASTM E1399 standard



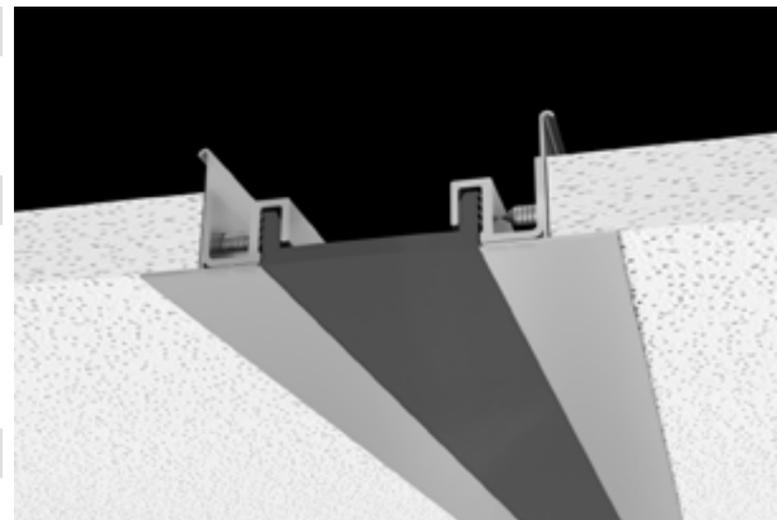
- Contributes to LEED® credits

### JOINT SIZES

1-2"

### MOVEMENT

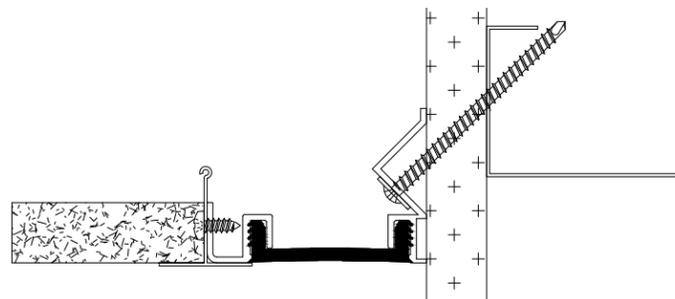
±25% Expansion/Contr.



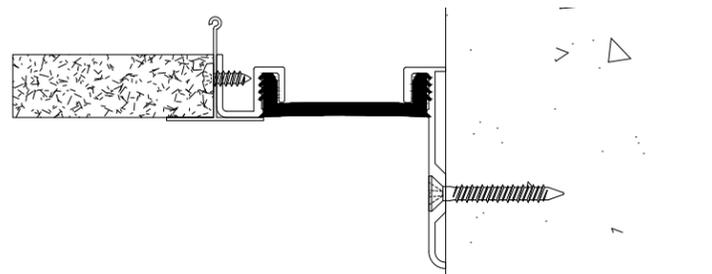
75FCA - Ceiling-to-ceiling



75FCAC - Ceiling-to-wall



75FCACE - Wall-to-corner



Shown: 2" joint

\*See details (page 93).



## 75FWG Drywall



### APPLICATION

- Surface mount wall cover, with an elastomeric seal

### FEATURES

- Extruded santoprene seal
- Surface mount installation only
- Tape/Feather (by others)
- Multiple santoprene color options available\*
- Ships in 10' lengths

### PERFORMANCE

- Thermal movement per ASTM E1399 standard



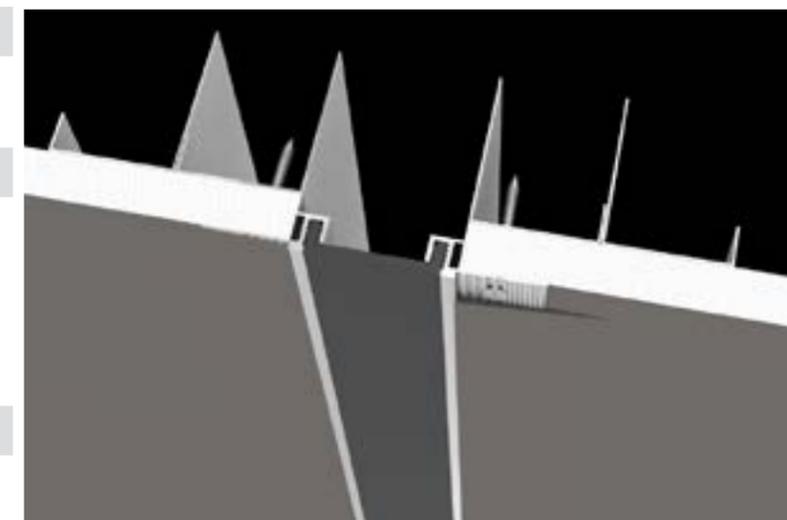
- Contributes to LEED® credits

### JOINT SIZES

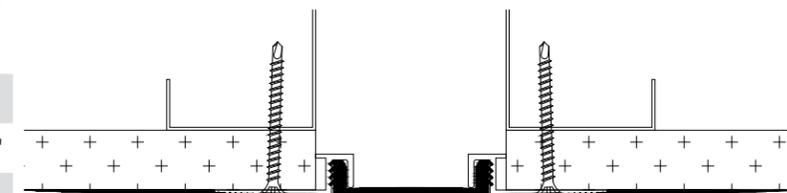
1-2"

### MOVEMENT

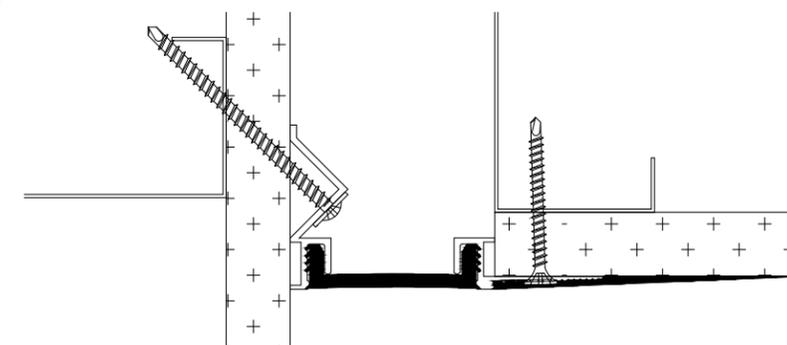
±25% Expansion/Contr.



75FWG - Wall-to-wall



75FWGC - Wall-to-corner



Shown: 2" joint

\*See details (page 93).



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
ELASTOMERIC SEAL SERIES

**75FWP** Plaster



**APPLICATION**

- Recessed wall cover flush with surrounding wall, with an elastomeric seal

**FEATURES**

- Extruded santoprene seal
- Narrow exposed sightline
- No exposed fasteners
- Recessed mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

**PERFORMANCE**

- Thermal movement per ASTM E1399 standard



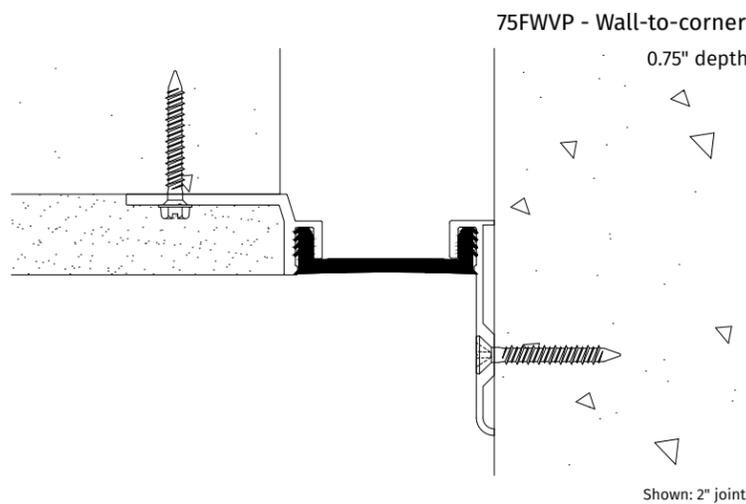
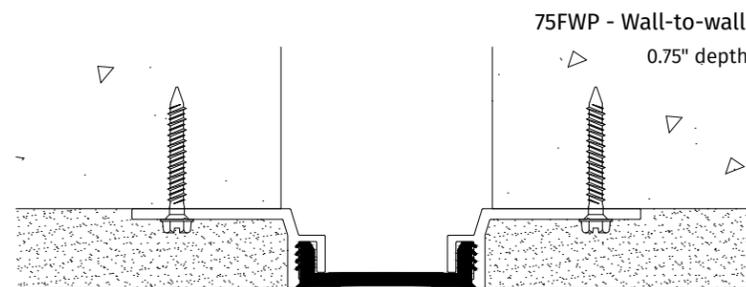
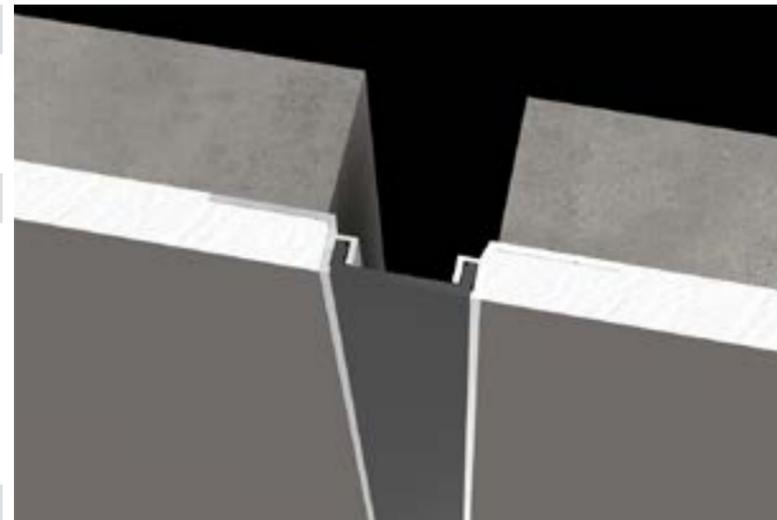
- Contributes to LEED® credits

**JOINT SIZES**

1-2"

**MOVEMENT**

±25% Expansion/Contr.



\*See details (page 93).



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
ELASTOMERIC SEAL SERIES

**75FWPE** Smooth Surface Mount



**APPLICATION**

- Surface mount exposed wall cover, with an elastomeric seal; ideal for retrofit applications

**FEATURES**

- Extruded santoprene seal
- Surface mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

**PERFORMANCE**

- Thermal movement per ASTM E1399 standard



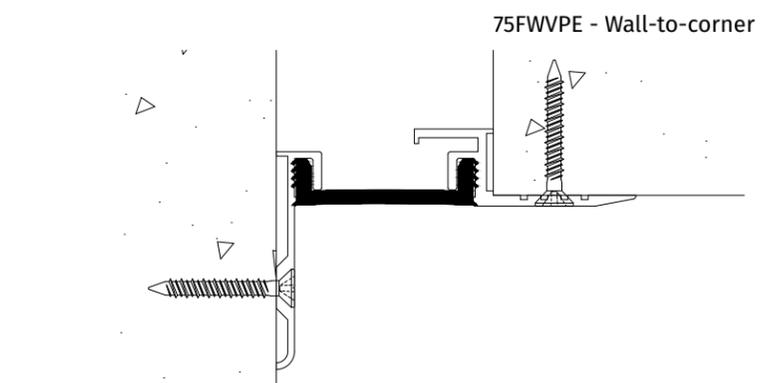
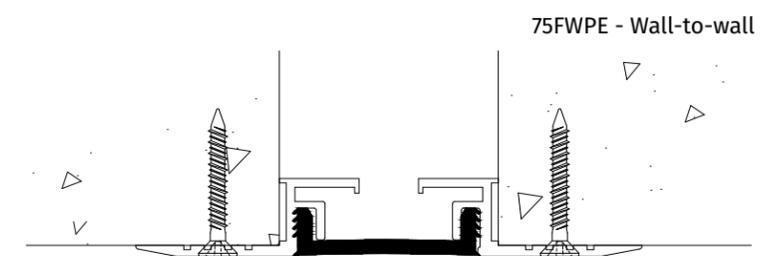
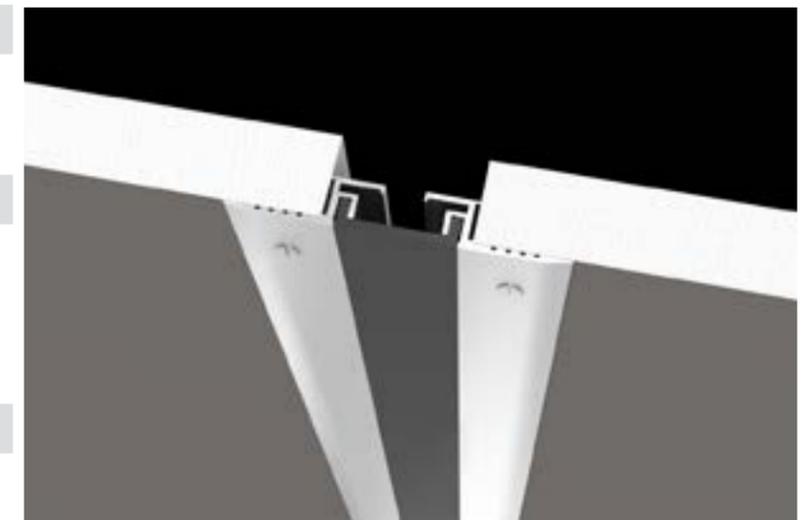
- Contributes to LEED® credits

**JOINT SIZES**

1-2"

**MOVEMENT**

±25% Expansion/Contr.



\*See details (page 93).



# DUAL ELASTOMERIC SEAL SERIES

## 95GW Drywall



### APPLICATION

- Wall cover with exposed plate, flush with surrounding wall, with two elastomeric seals

### FEATURES

- Extruded santoprene seals
- Centering bar device holds cover in place throughout movement (95GWC excluded)
- Flush mount installation only
- Multiple santoprene color options available\*
- Ships in 10' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

### JOINT SIZES

2-12"

### MOVEMENT

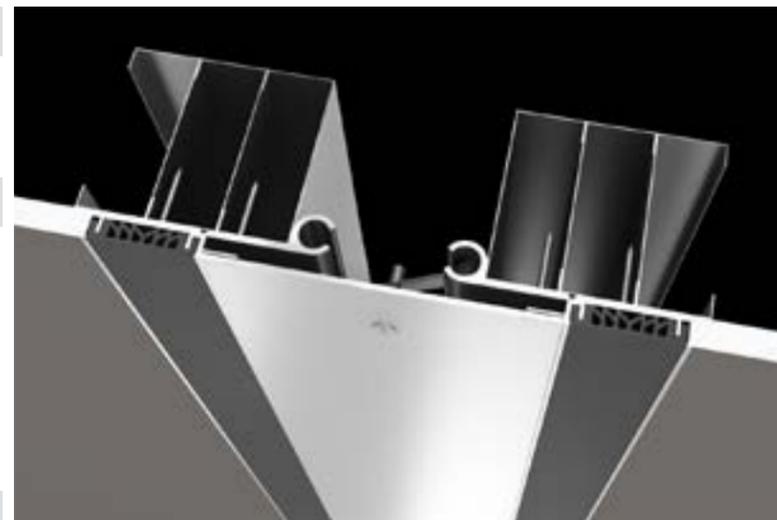
±50% to ±100% Expansion/Contr.



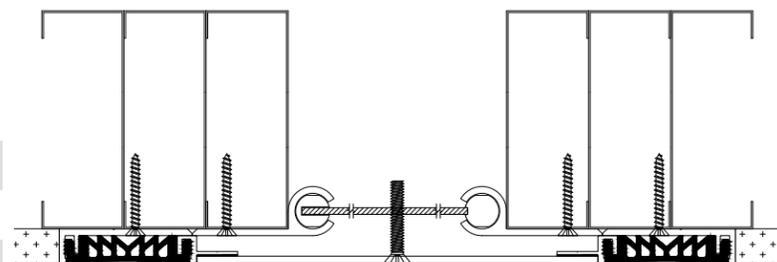
±50% to ±100% Lateral Shear



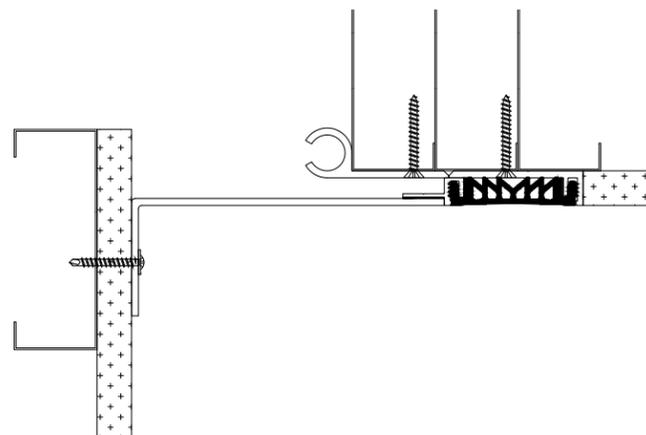
Vertical Shear (Contact Factory)



95GW - Wall-to-wall  
0.625" depth

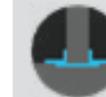


95GWC - Wall-to-corner  
0.625" depth



Shown: 4" joint

\*See details (page 93).



# PAN SERIES

## PSW Pan System



### APPLICATION

- Wall cover with infill pan, flush with surrounding wall; ideal for wide openings

### FEATURES

- Designed for flush installation across drywall transitions
- Accommodates drywall material within recess; narrow exposed sightline
- No exposed fasteners
- Centering bar device and spring-loaded pin returns pan back to position after movement
- Flush mount installation only
- Ships in 10' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

### JOINT SIZES

3-16"

### MOVEMENT

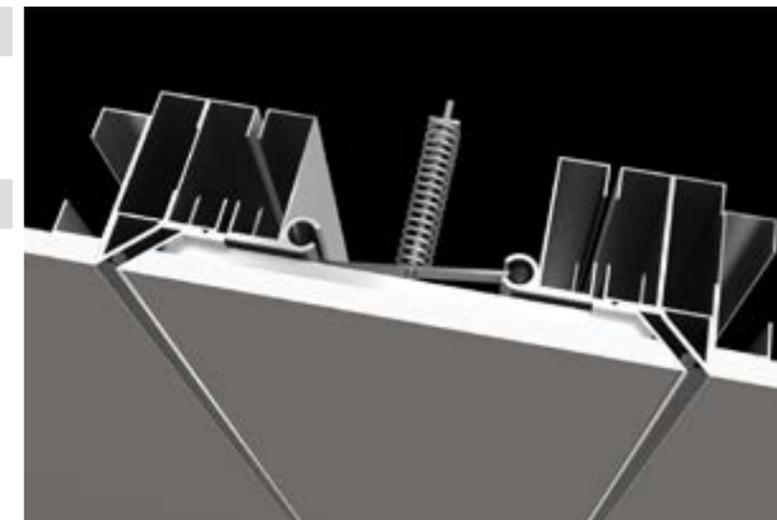
±50% to ±100% Expansion/Contr.



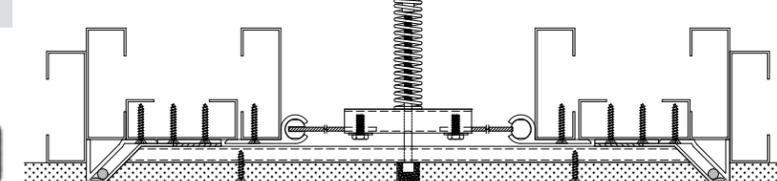
Lateral Shear (Contact Factory)



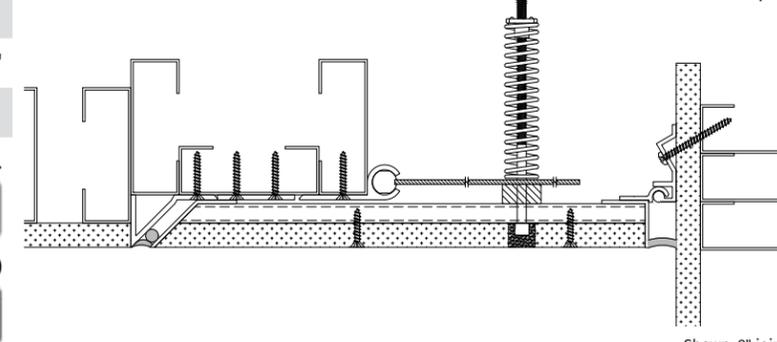
Vertical Shear (Contact Factory)



PSW - Wall-to-wall  
1.375" depth



PSWL - Wall-to-corner  
1.375" depth



Shown: 8" joint



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
**FACE SEAL SYSTEMS**

**AC** Accordion Acoustical Ceiling - 100% Movement

**APPLICATION**

- Elastomeric ceiling seal flush with acoustical tiles

**FEATURES**

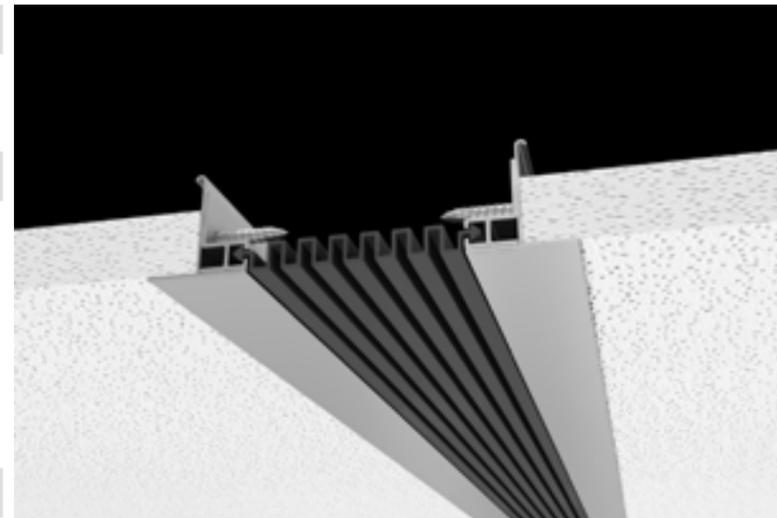
- Extruded santoprene seal
- No exposed fasteners
- Flush mount installation only
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits



AC - Ceiling-to-ceiling



**JOINT SIZES**

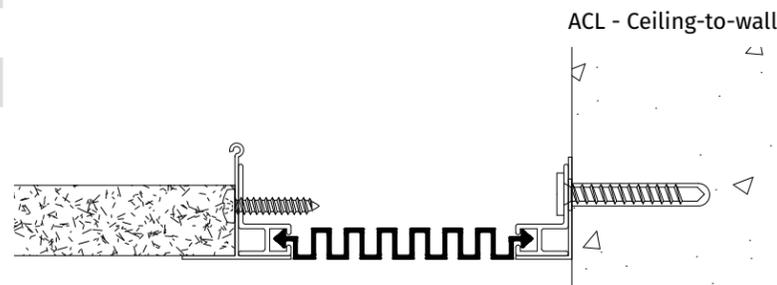
1-3"

**MOVEMENT**

±100% Expansion/Contr.



±100% Vertical Shear



ACL - Ceiling-to-wall

Shown: 2" joint

\*See details (page 93).



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
**FACE SEAL SYSTEMS**

**ACVS** Flush Acoustical Ceiling - 100% Movement

**APPLICATION**

- Elastomeric ceiling seal flush with acoustical tiles

**FEATURES**

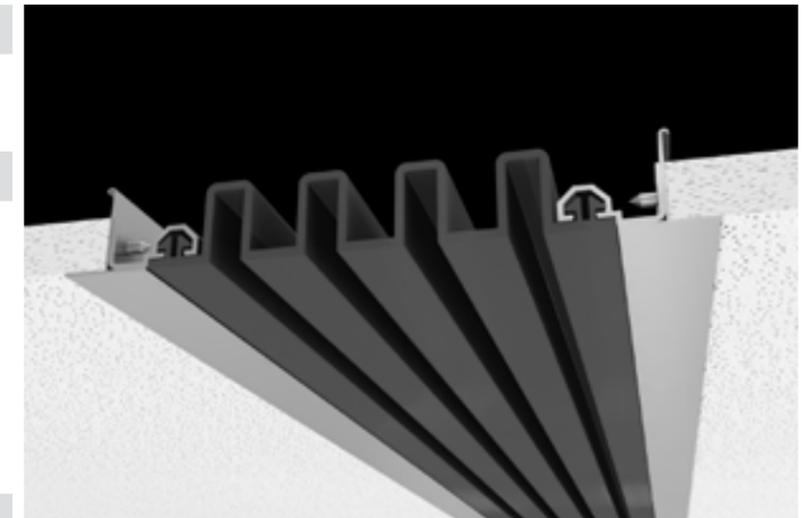
- Extruded santoprene seal (Silicone option available)\*
- No exposed fasteners
- Flush mount installation only
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths

**PERFORMANCE**

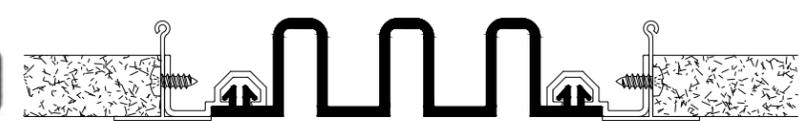
- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits



ACVS - Ceiling-to-ceiling



**JOINT SIZES**

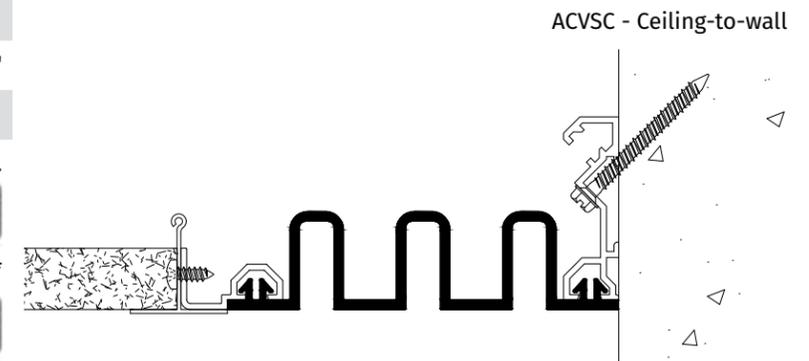
2-10"

**MOVEMENT**

±100% Expansion/Contr.

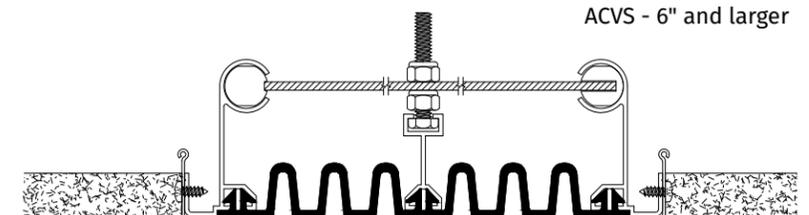


±100% Vertical Shear\*\*



ACVSC - Ceiling-to-wall

Shown: 4" joint



ACVS - 6" and larger

\*See details (page 93).  
\*\*Reduced for joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
FACE SEAL SYSTEMS

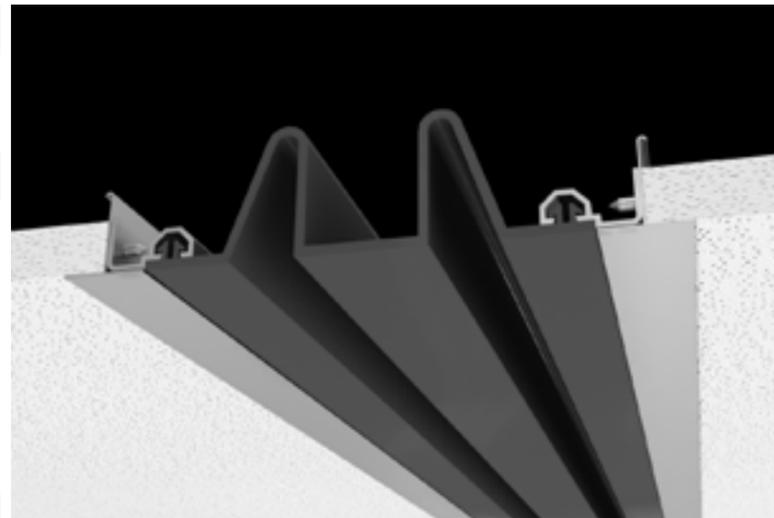
**ACWW** Flush Acoustical Ceiling - 50% Movement

**APPLICATION**

- Elastomeric ceiling seal flush with acoustical tiles

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- No exposed fasteners
- Flush mount installation only
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



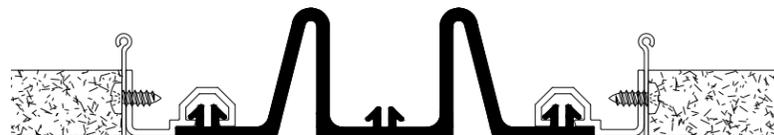
**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

ACWW - Ceiling-to-ceiling



**JOINT SIZES**

2-10"

**MOVEMENT**

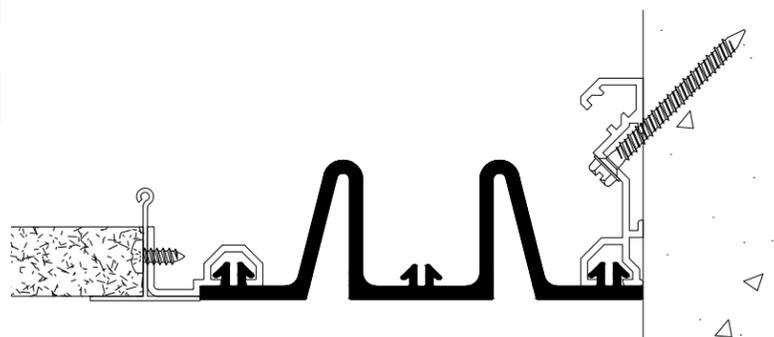
±50% Expansion/Contr.



±100% Vertical Shear\*\*

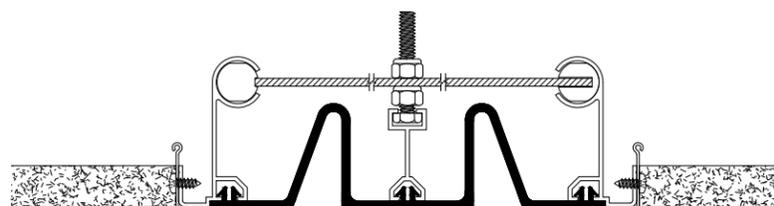


ACWC - Ceiling-to-wall



Shown: 4" joint

ACWW - 6" and larger



\*See details (page 93).  
\*\*Reduced for joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
FACE SEAL SYSTEMS

**GCVS** Surface Mount Wall - 100% Movement

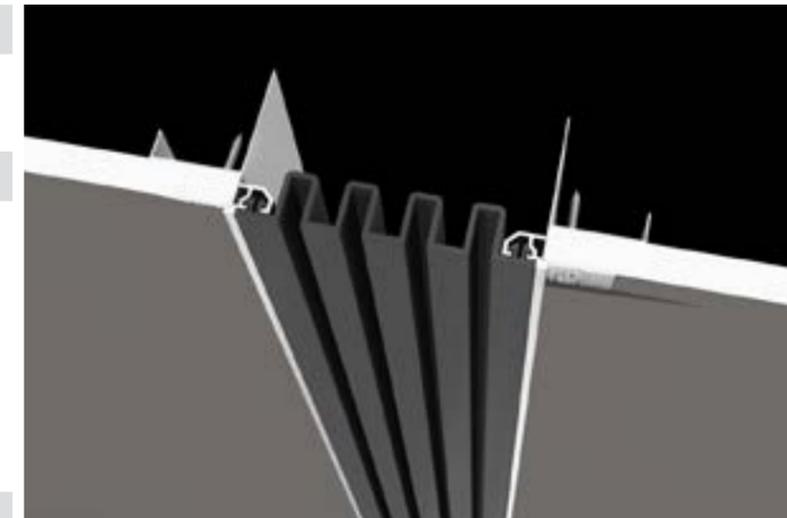


**APPLICATION**

- Surface mount elastomeric wall seal

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- Surface mount installation only
- Tape/Feather (by others)
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

GCVS - Wall-to-wall



**JOINT SIZES**

2-10"

**MOVEMENT**

±100% Expansion/Contr.



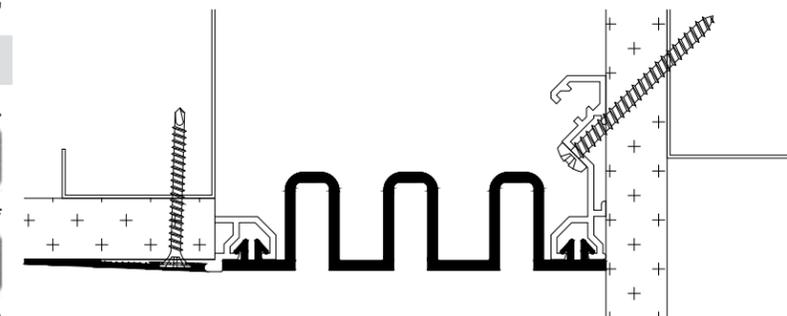
±100% Lateral Shear\*\*



Vertical Shear (Contact Factory)

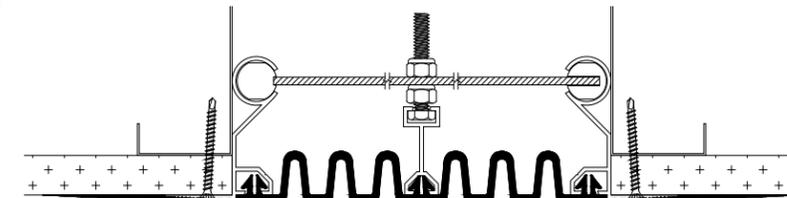


GCVSC - Wall-to-corner



Shown: 4" joint

GCVS - 6" and larger



\*See details (page 93).  
\*\*Reduced for joints over 5."





EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
FACE SEAL SYSTEMS

**GCWW** Surface Mount Wall - 50% Movement

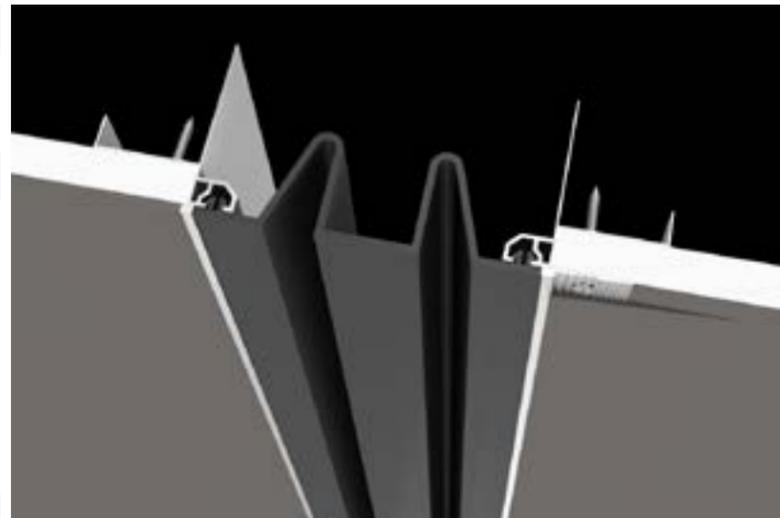


**APPLICATION**

- Surface mount elastomeric wall seal

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- Surface mount installation only
- Tape/Feather (by others)
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-10"

**MOVEMENT**

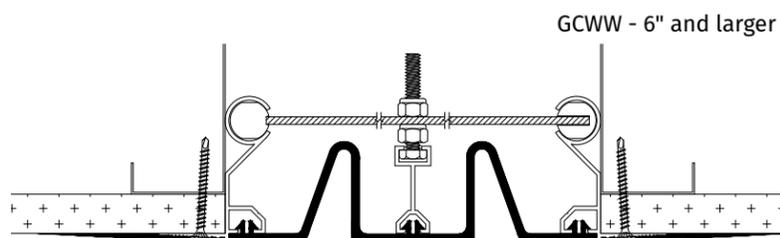
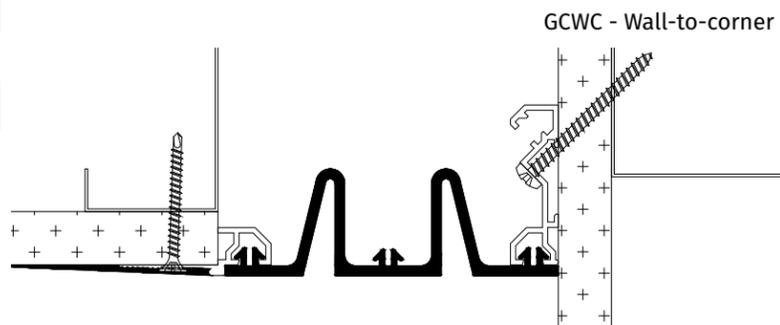
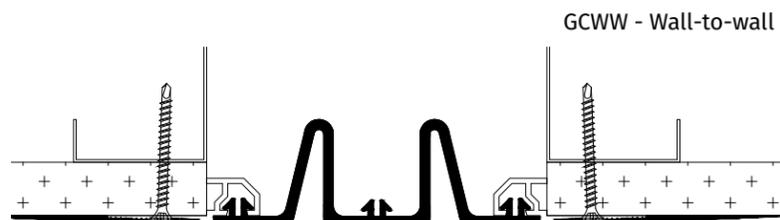
±50% Expansion/Contr.



±50% Lateral Shear\*\*



Vertical Shear (Contact Factory)



\*See details (page 93).  
\*\*Excludes joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
FACE SEAL SYSTEMS

**TCVS** Flush Wall - 100% Movement

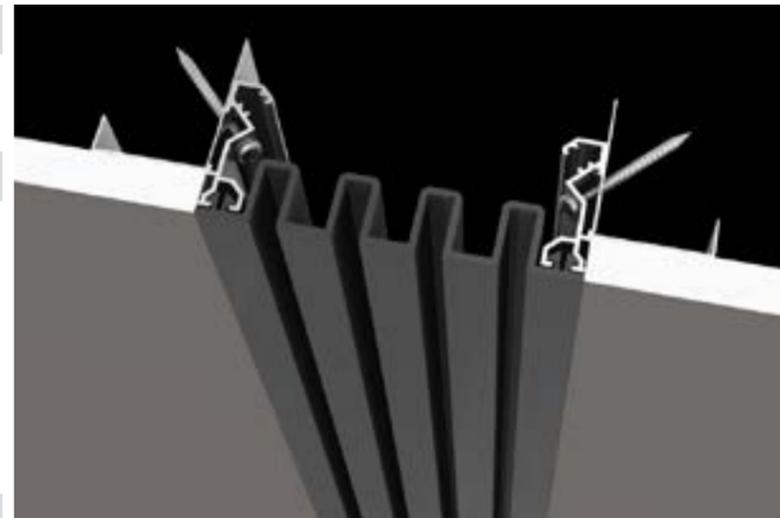


**APPLICATION**

- Elastomeric wall seal flush with surrounding wall

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- No exposed fasteners
- Flush mount installation only
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-12"+

**MOVEMENT**

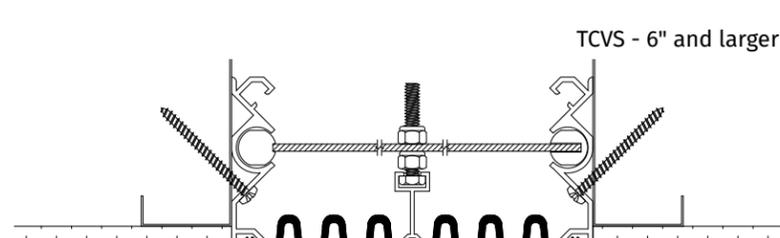
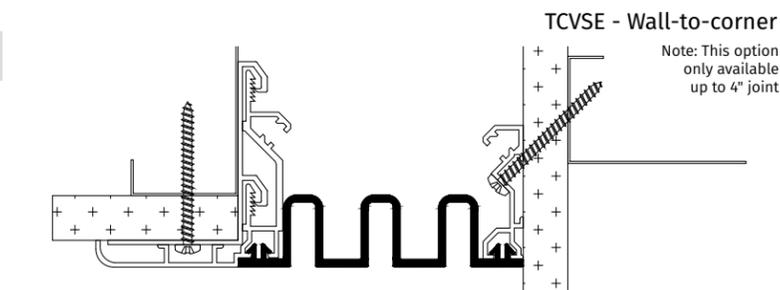
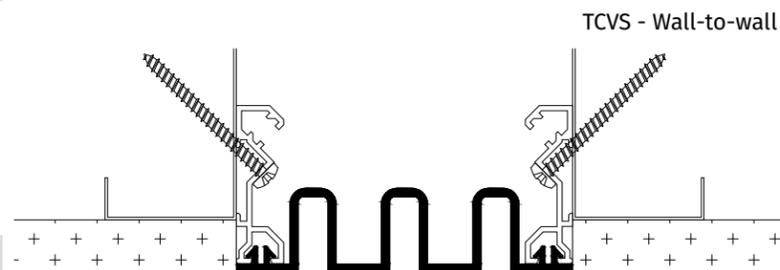
±100% Expansion/Contr.



±100% Lateral Shear\*\*



Vertical Shear (Contact Factory)



\*See details (page 93).  
\*\*Excludes joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
FACE SEAL SYSTEMS

**TCWW** Flush Wall - 50% Movement

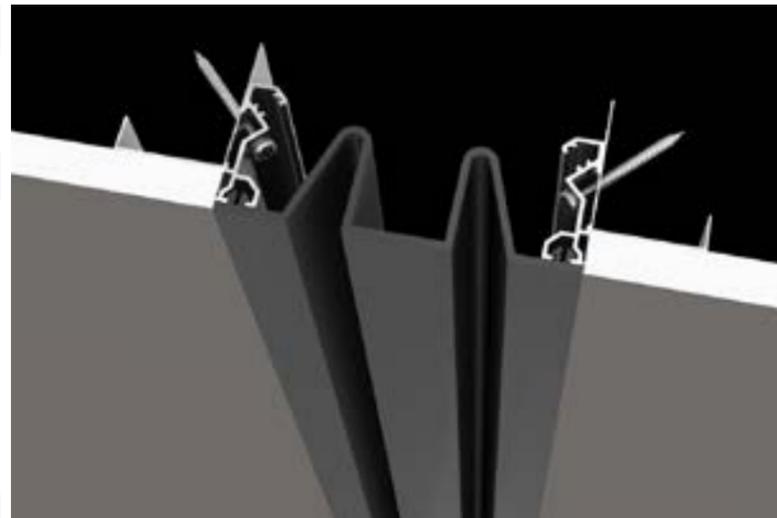


**APPLICATION**

- Elastomeric wall seal flush with surrounding wall

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- No exposed fasteners
- Flush mount installation only
- Multiple santoprene color options available\*
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-18"+

**MOVEMENT**

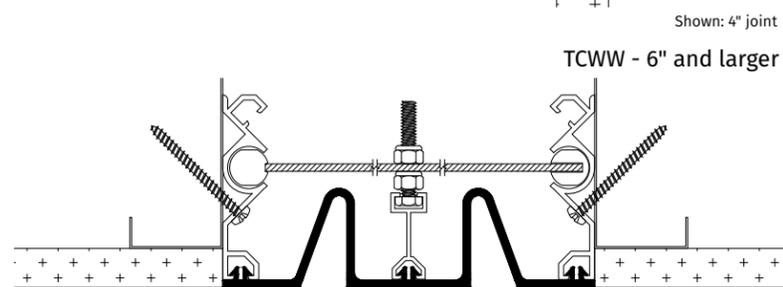
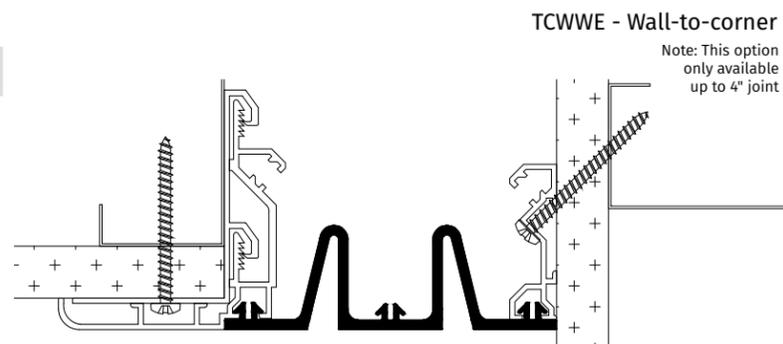
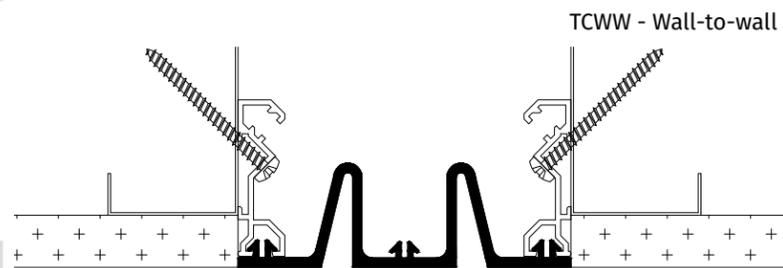
±50% Expansion/Contr.



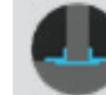
±50% Lateral Shear\*\*



Vertical Shear (Contact Factory)



\*See details (page 93).  
\*\*Excludes joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
FACE SEAL SYSTEMS

**IS** Silicone Face

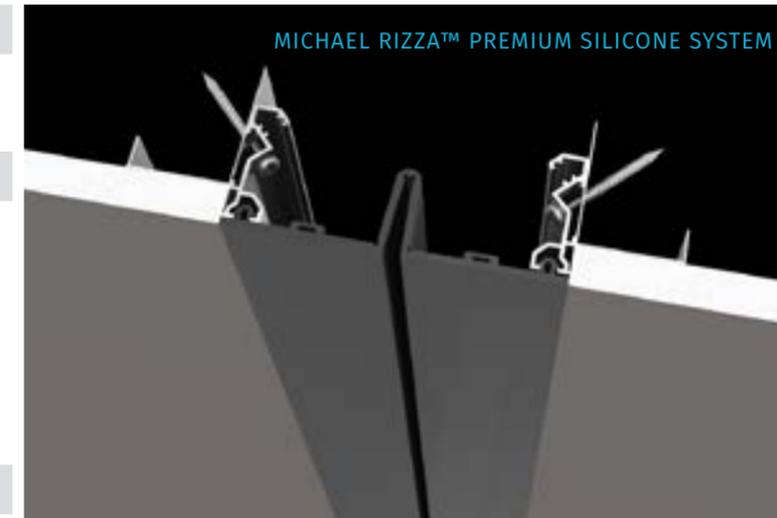


**APPLICATION**

- Elastomeric wall seal flush with surrounding wall

**FEATURES**

- Premium silicone seal
- No exposed fasteners
- Flush mount installation only
- Multiple silicone color options available\*
- Aluminum ships in 10' lengths; silicone ships in up to 100' lengths



**PERFORMANCE**

- Contributes to LEED® credits

**JOINT SIZES**

2-12"+

**MOVEMENT**

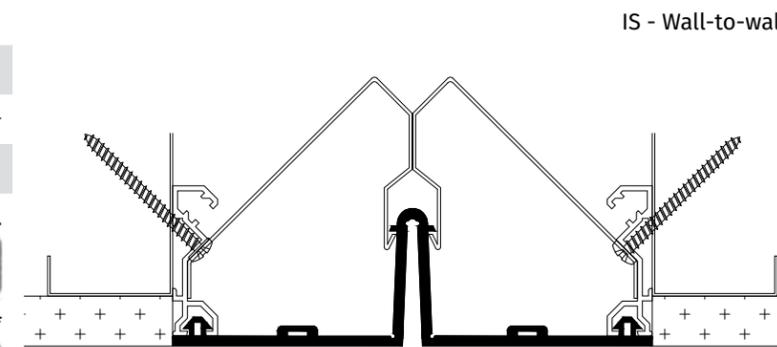
±50% Expansion/Contr.



±50% Lateral Shear\*\*



Vertical Shear (Contact Factory)



Shown: 6" joint

\*See details (page 93).  
\*\*Excludes joints over 5."





EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
**SURFACE PLATE SERIES**

**CM** Low Profile Surface Mount



**APPLICATION**

- Surface mount wall cover with low profile exposed plate

**FEATURES**

- Easy to clean
- No exposed fasteners
- Centering bar device holds cover in place throughout movement (CML excluded)
- Surface mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

3-18"+

**MOVEMENT**

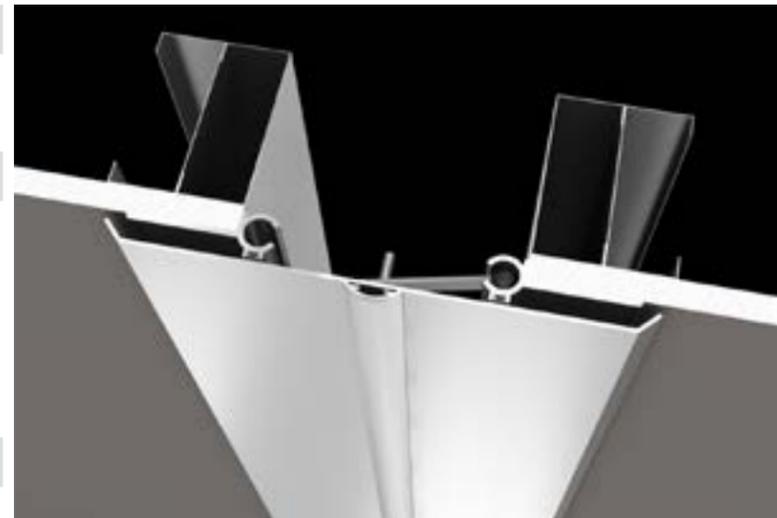
±50% to ±100% Expansion/Contr.



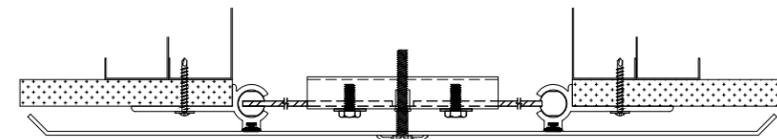
Lateral Shear (Contact Factory)



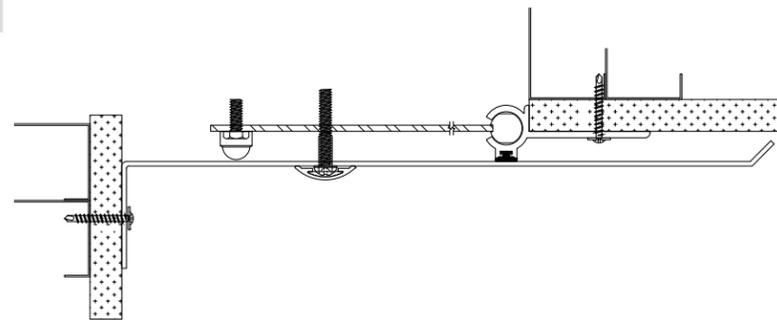
Vertical Shear (Contact Factory)



CM - Wall-to-wall



CML - Wall-to-corner



Shown: 8" joint

Stainless steel versions: SSCM & SSCML



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
**SURFACE PLATE SERIES**

**FC** Recessed



**APPLICATION**

- Flush mount exposed wall cover with two reveals; ideal for wide openings

**FEATURES**

- Durable metal surface
- No exposed fasteners
- Centering bar device holds cover in place throughout movement
- Primed for field paint standard
- Flush mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

4-18"+

**MOVEMENT**

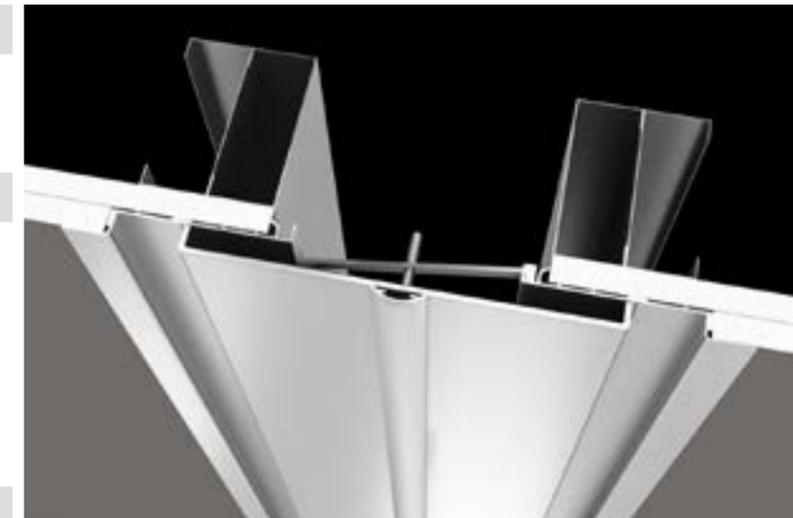
±50% to ±100% Expansion/Contr.



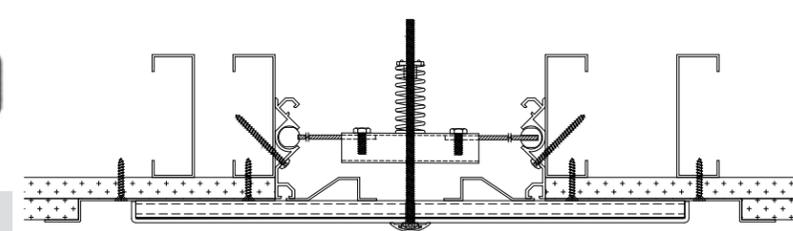
Lateral Shear (Contact Factory)



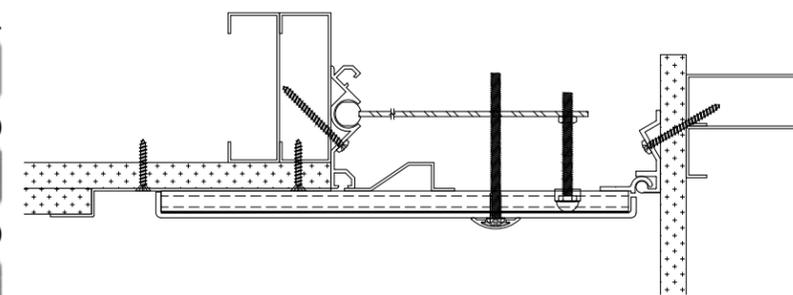
Vertical Shear (Contact Factory)



FC - Wall-to-wall



FCC - Wall-to-corner



Shown: 8" joint



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
INTERIOR WALLS & CEILINGS  
SURFACE PLATE SERIES

**WD Snap-on**



**APPLICATION**

- Surface mount wall cover with snap-on exposed plate

**FEATURES**

- Easy to clean
- Low profile
- No exposed fasteners
- Paintable option available (contact factory for details)\*
- Surface mount installation only
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

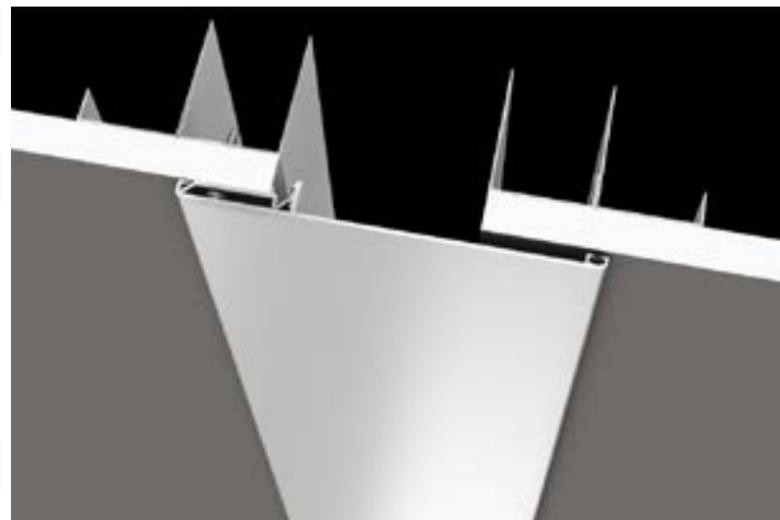
1-4"

**MOVEMENT**

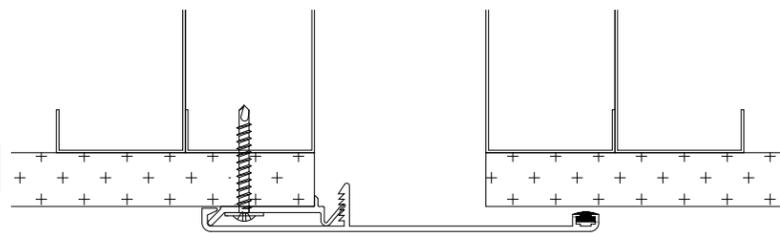
±50% Expansion/Contr.



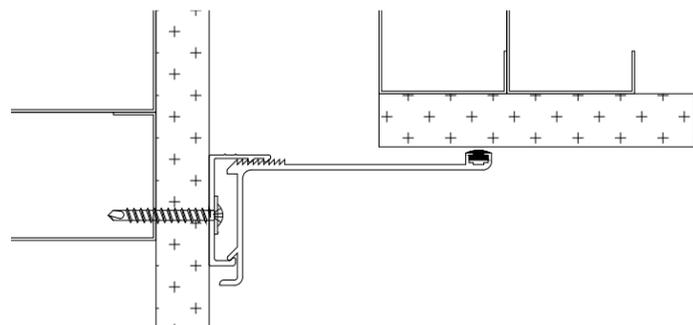
±50% to ±100% Vertical Shear



WD - Wall-to-wall



WDC - Wall-to-corner



Shown: 2" joint

Stainless steel versions: SSWD & SSWDC

\*Subject to additional charges and extended lead times.



ARCHITECTURAL SYSTEMS  
**EXTERIOR WALLS**



# METAL COVER SYSTEMS

## 9W Surface Mount



### APPLICATION

- Surface mount wall cover, with exposed plate

### FEATURES

- Easy to assemble and install
- Centering bar device holds cover in place throughout movement
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available
- Ships in 10' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

### JOINT SIZES

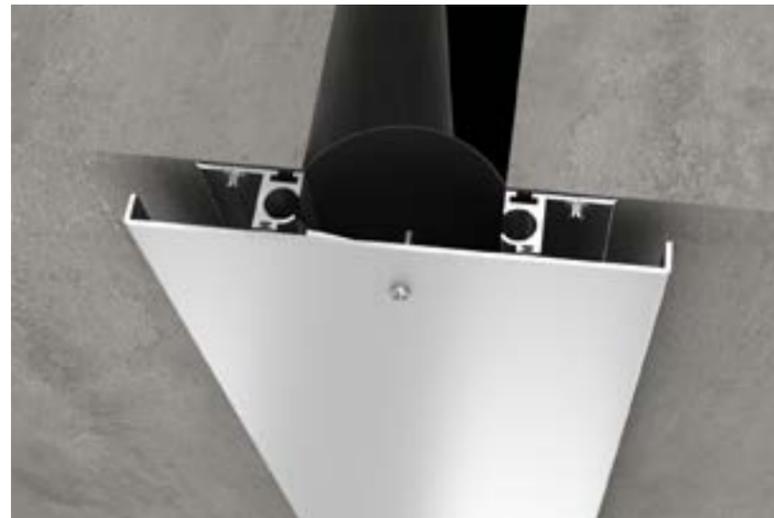
2-18"

### MOVEMENT

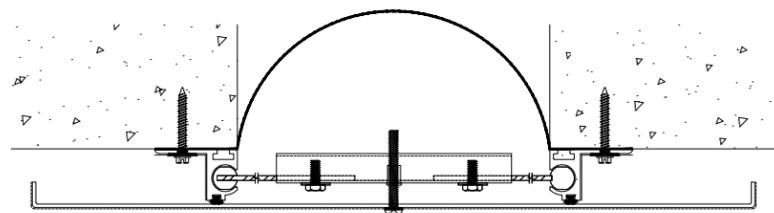
±50% to ±100% Expansion/Contr.



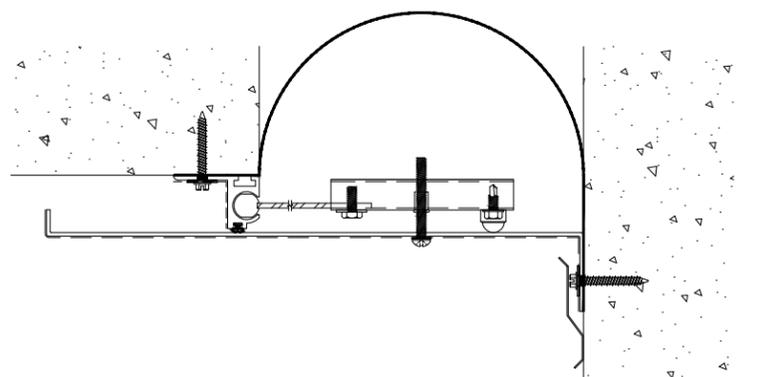
±50% to ±100% Vertical Shear\*\*



9W - Wall-to-wall



9WC - Wall-to-corner



Shown: 8" joint

Stainless steel versions: SS9W & SS9WC

\*Requires specific accommodations at wall terminations, contact factory for details.



## CMX Low Profile



### APPLICATION

- Surface mount wall cover, with low profile exposed plate

### FEATURES

- Easy to assemble and install
- Easy to clean
- Centering bar device holds cover in place throughout movement
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available
- Ships in 10' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

### JOINT SIZES

3-18"

### MOVEMENT

±50% to ±100% Expansion/Contr.



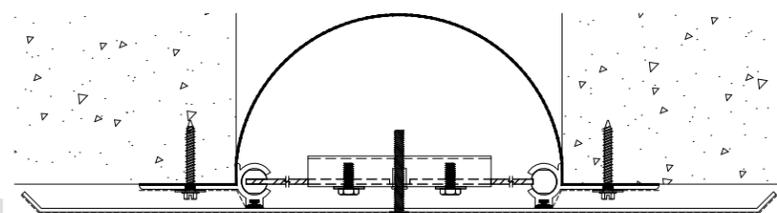
Lateral Shear (Contact Factory)



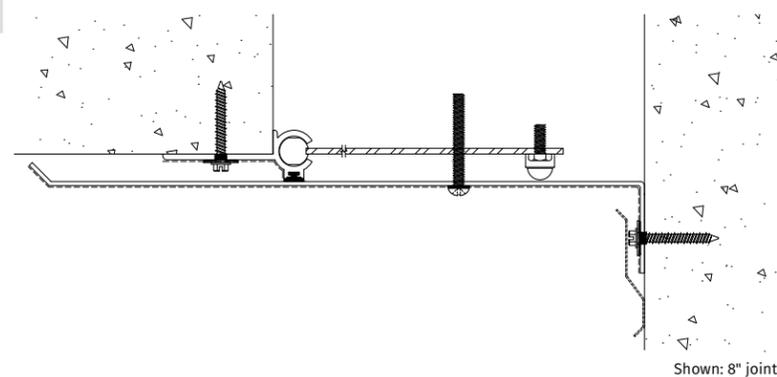
±50% to ±100% Vertical Shear



CMX - Wall-to-wall



CMXL - Wall-to-corner



Shown: 8" joint

Stainless steel versions: SSCMX & SSCMXL



# ELASTOMERIC SEAL SYSTEMS

## CE Silicone Compression



### APPLICATION

- Elastomeric compression seal flush with surrounding wall

### FEATURES

- Premium silicone, water-tight compression seal
- No exposed fasteners
- Adhered in place with silicone sealant
- Multiple silicone color options available\*
- Ships in up to 100' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

### JOINT SIZES

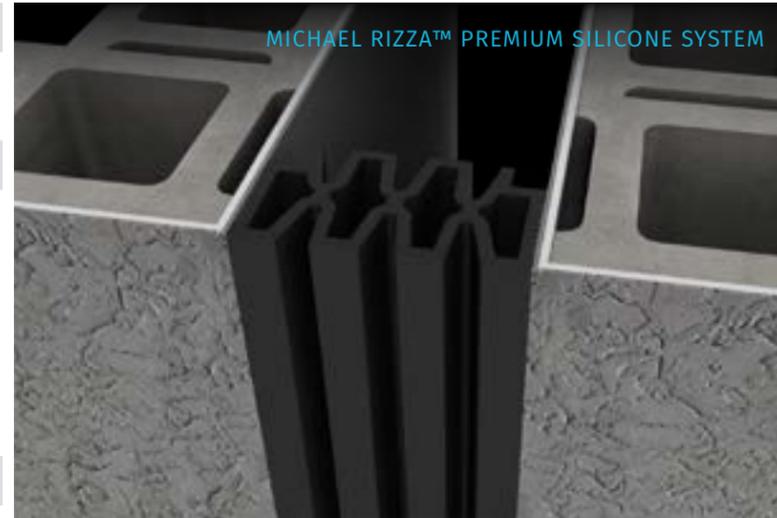
1-4"

### MOVEMENT

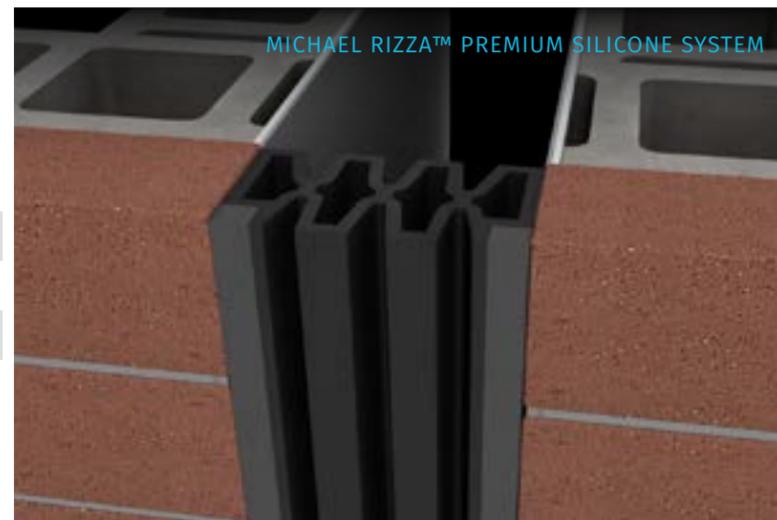
Expansion/Contr. (Contact Factory)



Lateral Shear (Contact Factory)

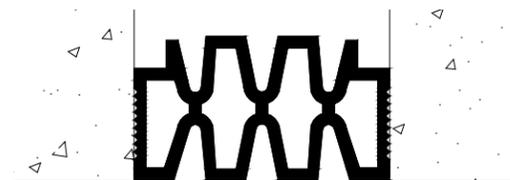


MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM



MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM

CE - Wall-to-wall



Shown: 2" joint, smooth surface application side  
(reverse seal for brick and block application)

\*See details (page 93).



## EV Silicone Face



### APPLICATION

- Elastomeric wall seal flush with surrounding wall

### FEATURES

- Premium silicone seal
- No exposed fasteners
- Flush mount installation
- Multiple silicone color options available\*
- Comes standard with secondary water barrier
- Aluminum ships in 10' lengths; silicone ships in up to 100' lengths

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

### JOINT SIZES

2-12"

### MOVEMENT

±50% Expansion/Contr.



±50% Lateral Shear\*\*

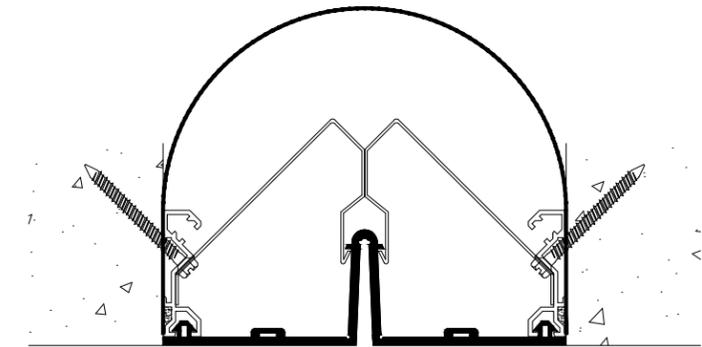


Vertical Shear (Contact Factory)



MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM

EV - Wall-to-wall



Shown: 6" joint

\*See details (page 93).  
\*\*Excludes joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
EXTERIOR WALLS  
ELASTOMERIC SEAL SYSTEMS

**FCVS** Flush Wall - 100% Movement

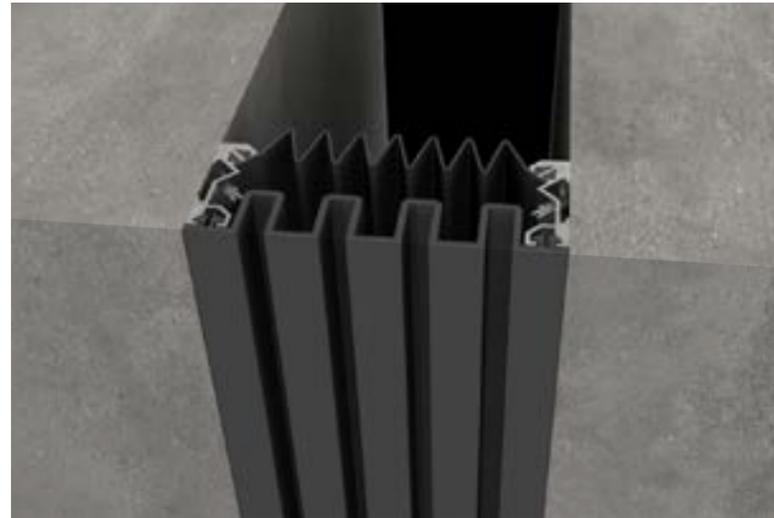


**APPLICATION**

- Elastomeric wall seal flush with surrounding wall

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- No exposed fasteners
- Centering bar device holds cover in place throughout movement (FCVSE excluded)
- Flush mount installation
- Multiple santoprene color options available\*
- Comes standard with secondary water barrier
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



FCVS - Wall-to-wall

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-18"+

**MOVEMENT**

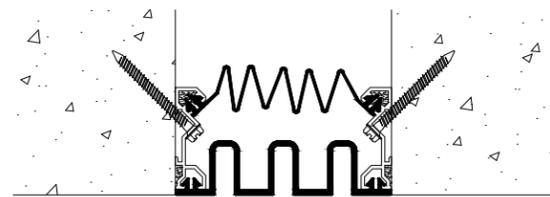
±100% Expansion/Contr.



±100% Lateral Shear\*\*

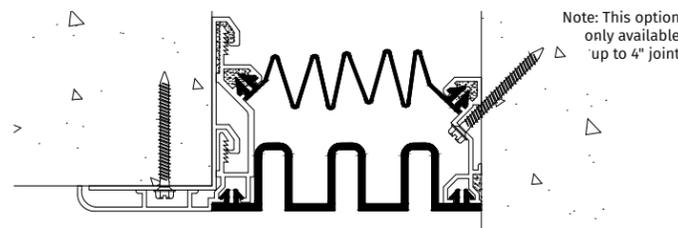


Vertical Shear (Contact Factory)

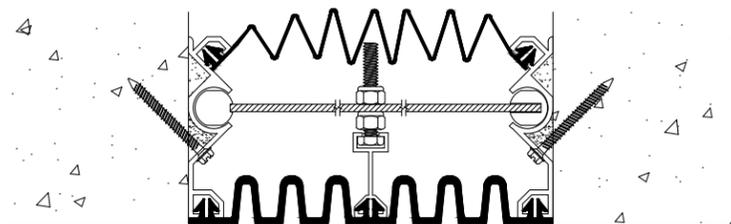


FCVSE - Wall-to-corner

Note: This option only available up to 4" joint



FCVS - 6" and larger



\*See details (page 93).  
\*\*Excludes joints over 5"



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
EXTERIOR WALLS  
ELASTOMERIC SEAL SYSTEMS

**FCWW** Flush Wall - 50% Movement

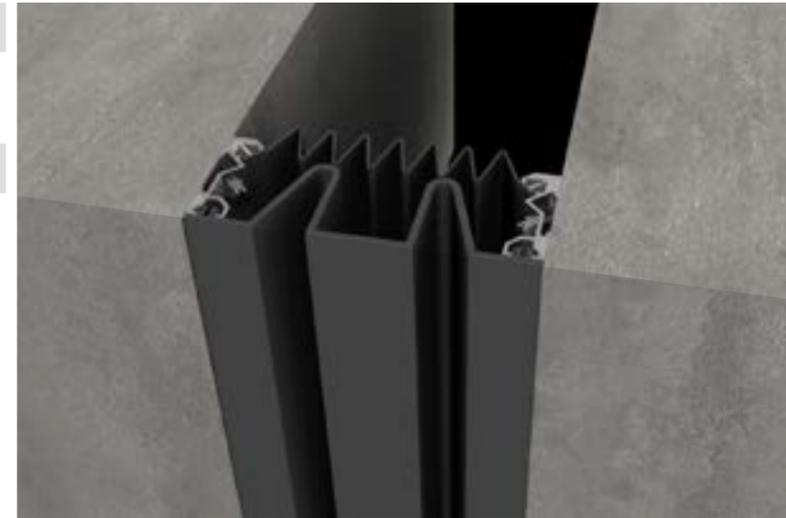


**APPLICATION**

- Elastomeric wall seal flush with surrounding wall

**FEATURES**

- Extruded santoprene seal (Silicone option available)\*
- No exposed fasteners
- Centering bar device holds cover in place throughout movement (FCWWE excluded)
- Flush mount installation
- Multiple santoprene color options available\*
- Comes standard with secondary water barrier
- Aluminum ships in 10' lengths; santoprene ships in up to 60' lengths



FCWW - Wall-to-wall

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-18"+

**MOVEMENT**

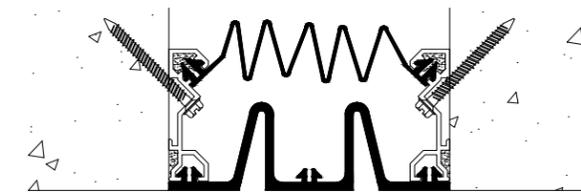
±50% Expansion/Contr.



±50% Lateral Shear\*\*

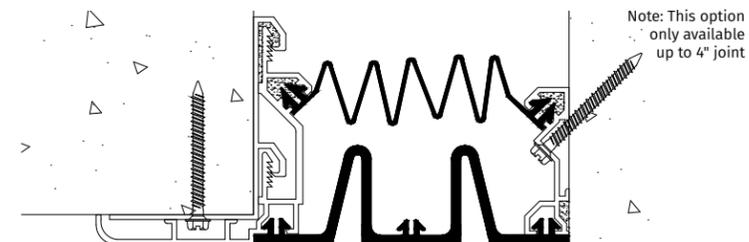


Vertical Shear (Contact Factory)

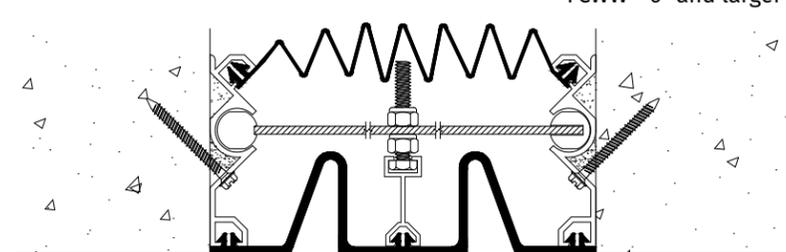


FCWWE - Wall-to-corner

Note: This option only available up to 4" joint



FCWW - 6" and larger



\*See details (page 93).  
\*\*Excludes joints over 5"



# FOAM SEAL SYSTEMS

## BCSW Pre-compressed Primary Seal

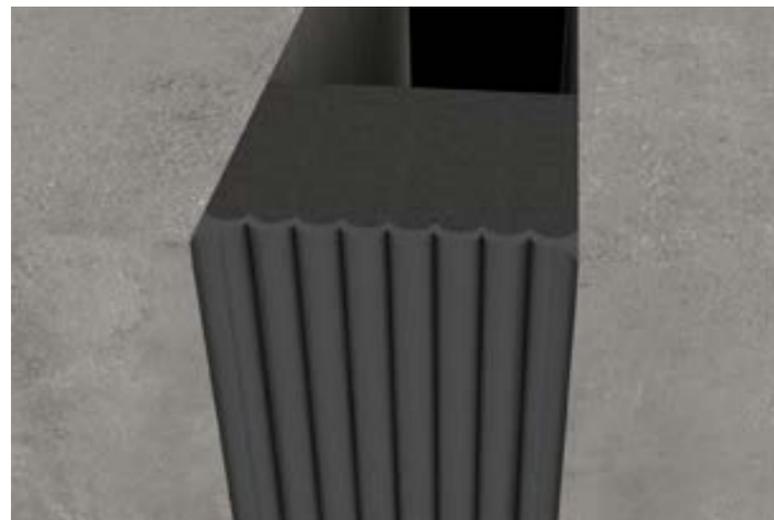


### APPLICATION

- Water-tight foam seal with silicone face

### FEATURES

- Easy to install
- Installs without mechanical fasteners
- UV stable, chemically resistant, watertight, mildew resistant, dust-proof, airtight, sound resistant, insulated
- Multiple silicone color options available\*
- Ships in 5' lengths



### PERFORMANCE\*\*

- Meets 21 psi min. tensile strength per ASTM 3574
- Flame spread 0 (self-extinguishing) per ASTM E84
- Sound transmission loss rating as high as 50 STC, 46 OITC per ASTM E90
- Air leakage (L Rating) minimum of <math><0.01\text{ cfm/ft}^2</math> per ASTM E 283
- Passes water penetration test per ASTM E 547 and ASTM E 331
- Seismic, thermal and wind movement per ASTM E1399 standard



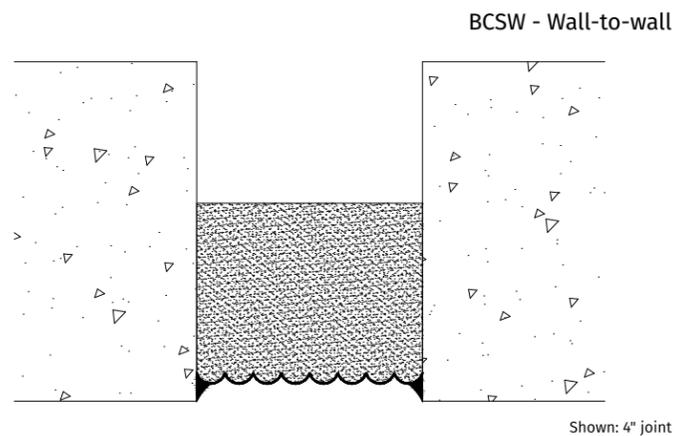
- Contributes to LEED® credits

### JOINT SIZES

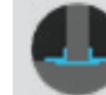
0.5-8"+

### MOVEMENT

±50% Expansion/Contr.



\*See details (page 93).  
\*\*See Tech Data sheet for additional performance data.



## BCSWE Non Pre-compressed Seal

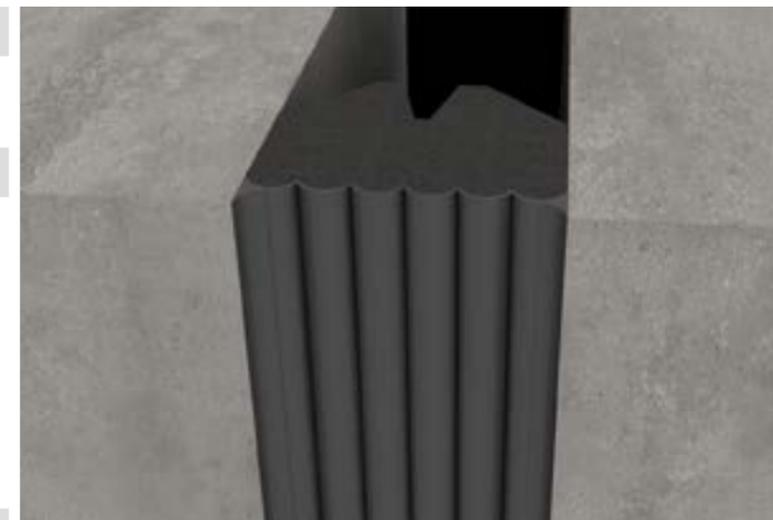


### APPLICATION

- Water-tight foam seal with silicone face

### FEATURES

- Easy to install
- Installs without mechanical fasteners
- UV stable, chemically resistant, watertight, mildew resistant, dust-proof, airtight, sound resistant, insulated
- Multiple silicone color options available\*
- Ships in 5' lengths



### PERFORMANCE\*\*

- Sound transmission loss rating as high as 36 STC, 35 OITC per ASTM E90
- No-cracking weather resistance per ASTM D1499
- Water absorption <math><0.02\text{ lbs/ft}^2</math> per ASTM D1499
- Seismic, thermal and wind movement per ASTM E1399 standard



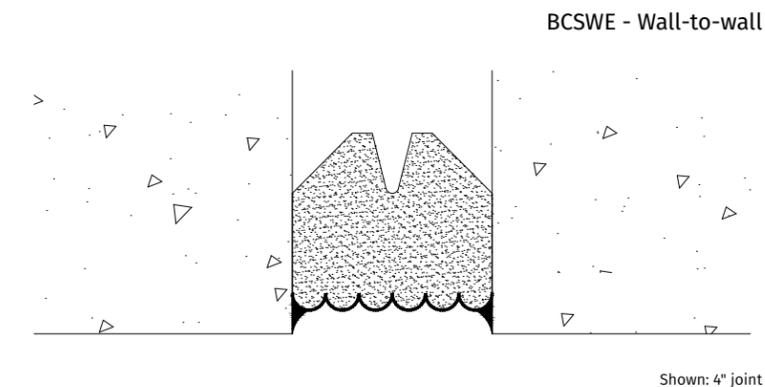
- Contributes to LEED® credits

### JOINT SIZES

0.5-6"+

### MOVEMENT

±25% Expansion/Contr.



\*See details (page 93).  
\*\*Excludes joints over 5."



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
EXTERIOR WALLS  
FOAM SEAL SYSTEMS

## BBSW Pre-compressed Secondary Seal



### APPLICATION

- Water-tight foam seal

### FEATURES

- Easy to install
- Installs without mechanical fasteners
- Chemically resistant, watertight, mildew resistant, dust-proof, airtight, sound resistant, insulated
- Ships in 5' lengths

### PERFORMANCE\*

- Meets 21 psi min. tensile strength per ASTM 3574
- Self-extinguishing per UL 94VO; flame spread 0 per ASTM E84
- Sound transmission loss rating as high as 50 STC, 46 OITC per ASTM E90
- Air leakage (L Rating) minimum of <math><0.01\text{ cfm/ft}^2</math> per ASTM E 283
- 12 psf water resistance per ASTM E331
- Seismic, thermal and wind movement per ASTM E1399 standard



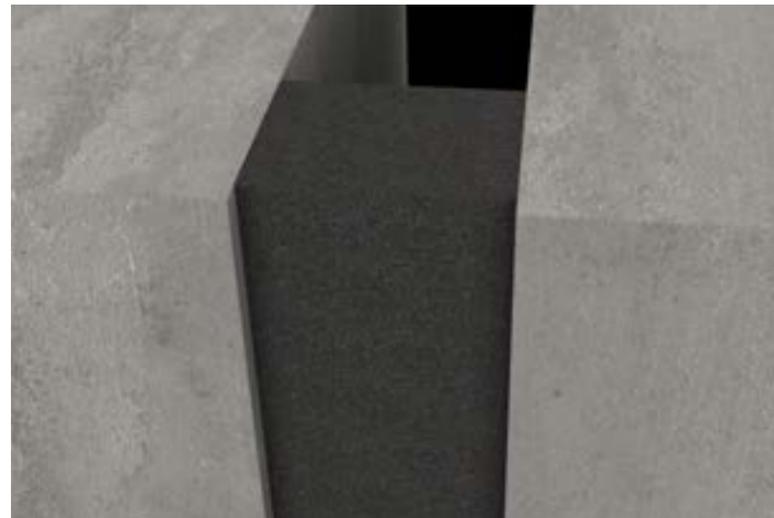
- Contributes to LEED® credits

### JOINT SIZES

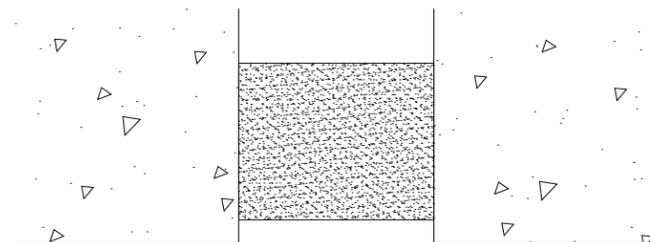
0.5-6"+

### MOVEMENT

±50% Expansion/Contr.



BBSW - Wall-to-wall



Shown: 4" joint

ARCHITECTURAL SYSTEMS  
**ROOFS**

\*See Tech Data sheet for additional performance data (available online).



# METAL PLATE SYSTEMS

## 9W Flat Curb



### APPLICATION

- Surface mount roof cover, with exposed plate

### FEATURES

- Easy to assemble and install
- Factory-fabricated transitions available
- Centering bar device holds cover in place throughout movement
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Kynar or anodized options available (to match surrounding construction)\*
- Ships in 10' lengths



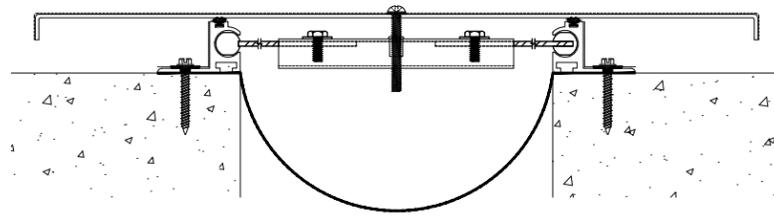
9W - Roof-to-roof

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits



9WC - Roof-to-wall

### JOINT SIZES

2-18"

### MOVEMENT

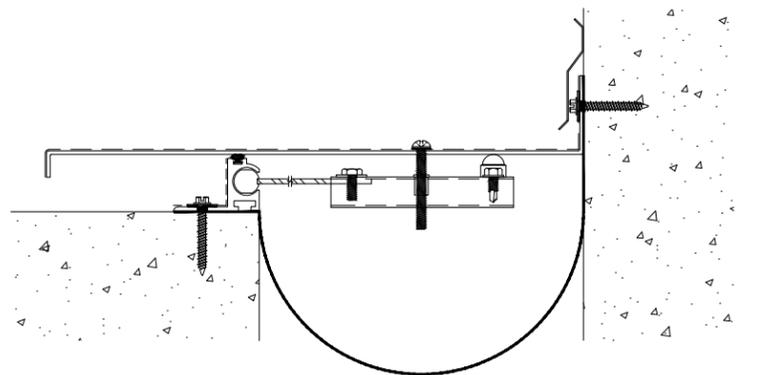
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear\*\*



±50% to ±100% Vertical Shear



Shown: 8" joint

Stainless steel versions: SS9W & SS9WC

\*See details (pages 92-95).

\*\*Requires specific accommodations at wall terminations, contact factory for details.



## FR Straight Curb



### APPLICATION

- Surface mount roof cover, with exposed plate

### FEATURES

- Easy to assemble and install
- Factory-fabricated transitions available
- Centering bar device holds cover in place throughout movement
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Kynar or anodized options available (to match surrounding construction)\*
- Ships in 10' lengths



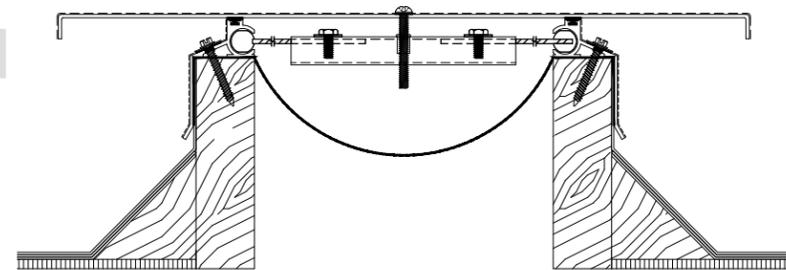
FR - Roof-to-roof

### PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits



### JOINT SIZES

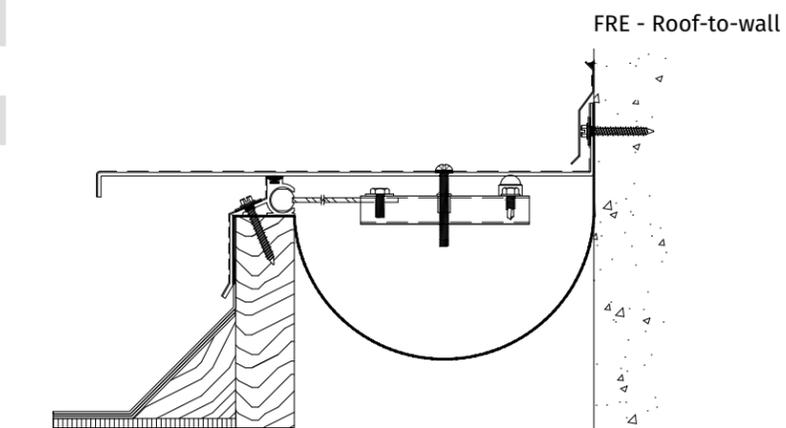
1-18"

### MOVEMENT

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear\*\*



Shown: 8" joint

Stainless steel versions: SSFR & SSFRE

\*See details (pages 92-95).

\*\*Requires specific accommodations at wall terminations, contact factory for details.



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
ROOFS  
METAL PLATE SYSTEMS

**LPR** Canted Curb

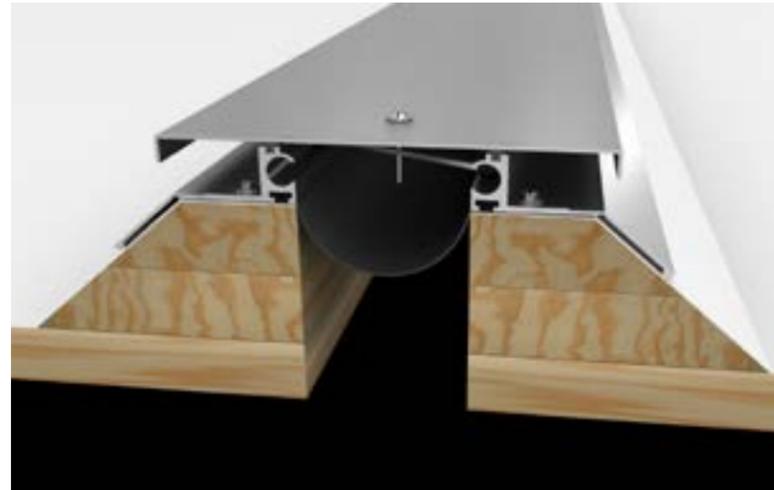


**APPLICATION**

- Surface mount roof cover, with exposed plate

**FEATURES**

- Easy to assemble and install
- Factory-fabricated transitions available
- Centering bar device holds cover in place throughout movement
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Kynar or anodized options available (to match surrounding construction)\*
- Ships in 10' lengths



LPR - Roof-to-roof

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

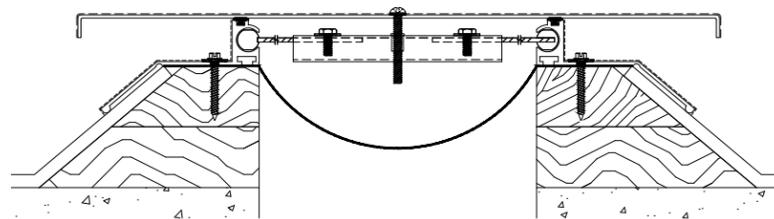
1-18"

**MOVEMENT**

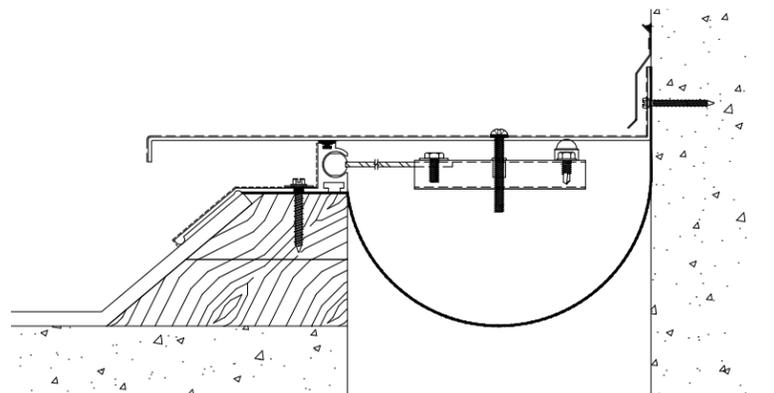
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear\*\*



LPRE - Roof-to-wall



Shown: 8" joint

Stainless steel versions: SSLPR & SSLPRE

\*See details (pages 92-95).

\*\*Requires specific accommodations at wall terminations, contact factory for details.



EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
ROOFS

**BELLOW SYSTEMS**



**BRB** Traditional



**APPLICATION**

- Surface mount flexible bellowed roof cover

**FEATURES**

- Factory-fabricated transitions available
- Surface mount installation only
- Flexible membrane options available (EPDM, neoprene & PVC)
- Closed cell support foam
- Curb flange, straight flange and wide curb flange available; multiple flange metal options available\*
- Ships in 10' lengths



BRB - Roof-to-roof

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-24"

**MOVEMENT**

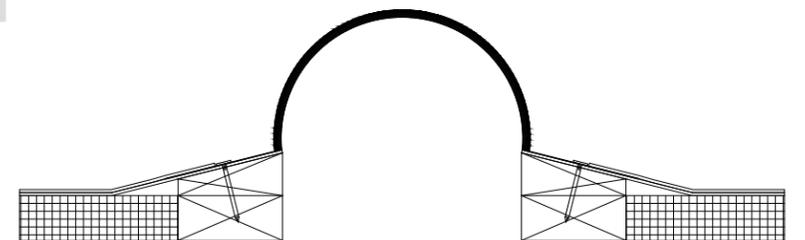
±50% to ±100% Expansion/Contr.



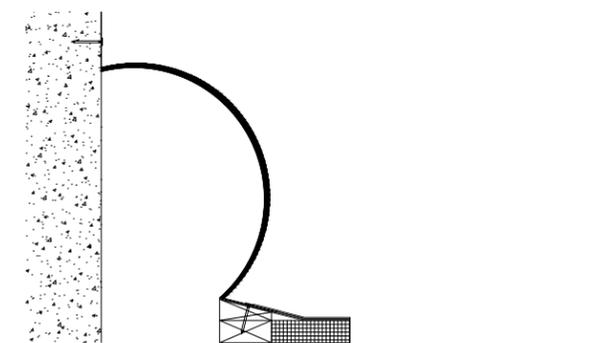
Lateral Shear (Contact Factory)



±50% to ±100% Vertical Shear



BRB - Roof-to-wall



Shown: 8" joint

Other versions: BRBA, BRBC, BRBG, BRBS, BRBWC\*

\*See details (pages 92-95).





EXPANSION JOINT SYSTEMS  
ARCHITECTURAL SYSTEMS  
ROOFS  
BELLOW SYSTEMS

**RRg** Silicone



**APPLICATION**

- Surface mount bellowed elastomeric roof cover

**FEATURES**

- Premium silicone seal
- No exposed fasteners
- Surface mount installation only
- Multiple silicone color options available\*
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Aluminum Ships in 10' lengths; silicone ships in up to 100' lengths



MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

2-12"+

**MOVEMENT**

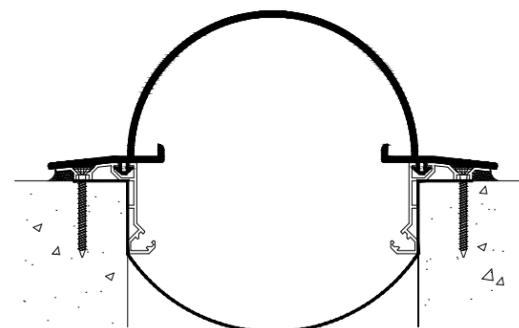
±50% Expansion/Contr.



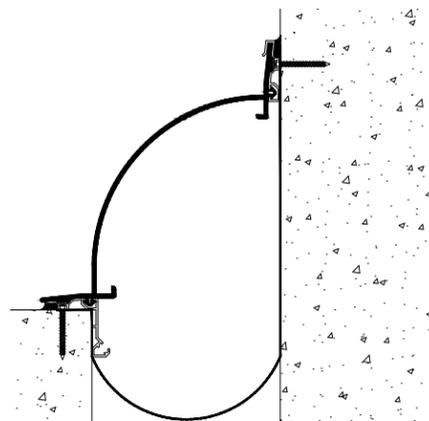
±50% Vertical Shear



RRg - Roof-to-roof



RWg - Roof-to-wall



Shown: 6" joint

\*See details (pages 92-95).

# PARKING & OPEN-AIR SYSTEMS



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
**METAL COVER SYSTEMS**

**DFH** Surface Mount Hinge

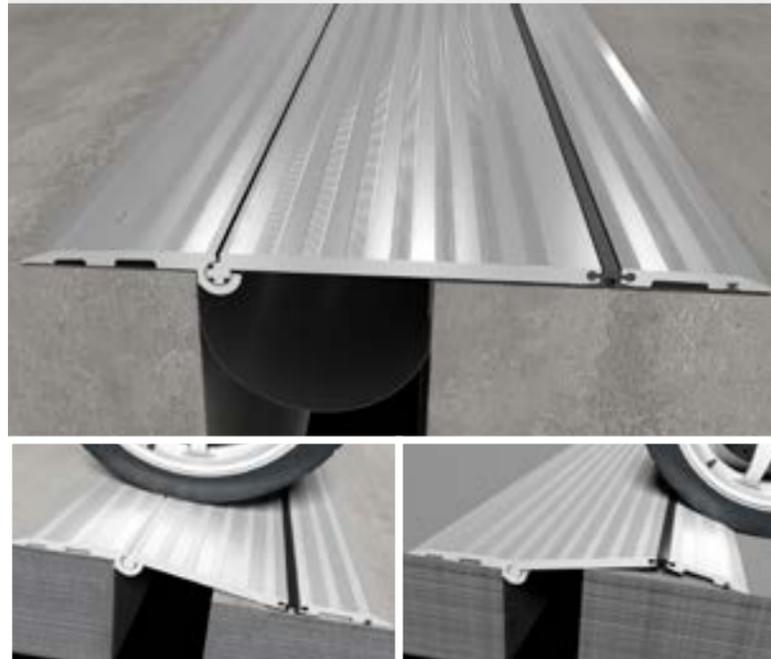


**APPLICATION**

- Heavy duty exposed surface mount plate with dual hinge; ideal for retrofit applications

**FEATURES**

- Easy to install; Easy to clean
- Designed for heavy loading
- Specifically designed to accommodate horizontal & vertical shear (see below)
- Reinforced gaskets
- Sound-dampening bumper
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Ships in 10' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

3-8"

**MOVEMENT**

±50% Expansion/Contr.



±100% Lateral Shear



1" Vertical Shear

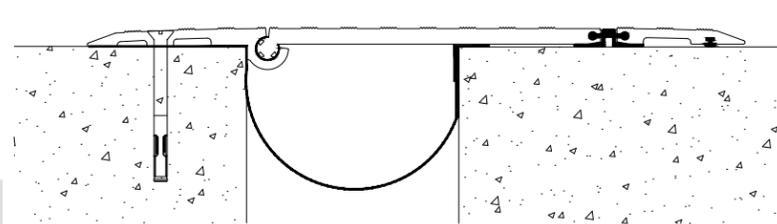


**LOAD**

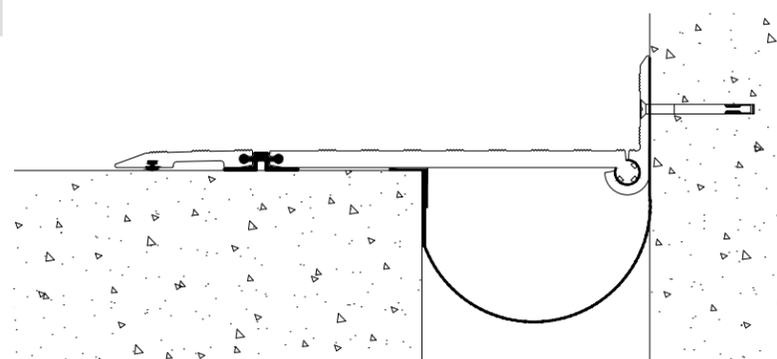
Pedestrian through Slow Vehicular\*



DFH - Floor-to-floor



DFHL - Floor-to-wall



Shown: 6" joint

\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
**METAL COVER SYSTEMS**

**HPG** Recessed Steel Plate



**APPLICATION**

- Heavy duty galvanized steel arched plate over neoprene pad in blockout

**FEATURES**

- Designed for heavy loading
- Sound-dampening neoprene in black only
- Blockout installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Ships in 10' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2-12"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear

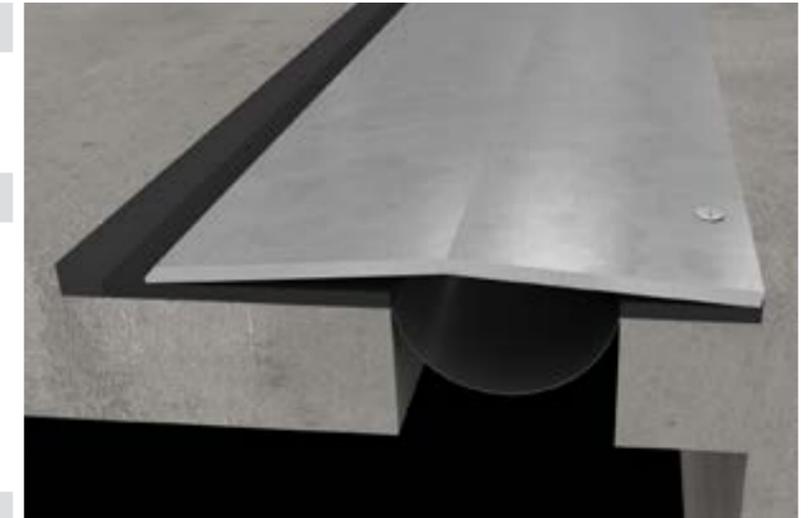


Vertical Shear (Contact Factory)

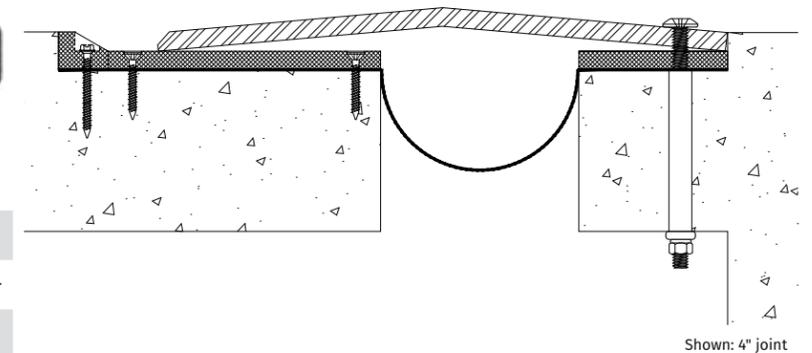


**LOAD**

Pedestrian through Slow Vehicular\*



HPG - Floor-to-floor



Shown: 4" joint

\*See load data sheet (pages 177 & 178) for details.





EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
METAL COVER SYSTEMS

**SBP** Shallow Blockout

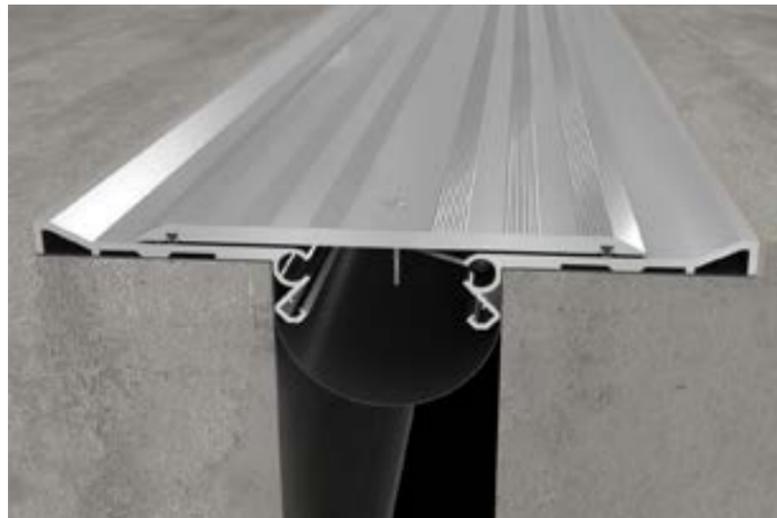


**APPLICATION**

- Heavy duty exposed plate in blockout

**FEATURES**

- Designed for heavy loading
- Centering bar device holds cover in place throughout movement (SBPL excluded)
- Blockout installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Ships in 10' lengths

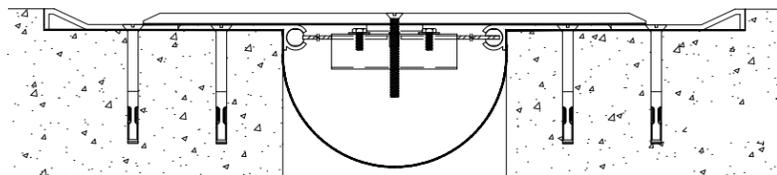


**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



SBP - Floor-to-floor

**JOINT SIZES**

4-12"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



**LOAD**

Pedestrian through Slow Vehicular\*



\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
METAL COVER SYSTEMS

**SM** Surface Mount

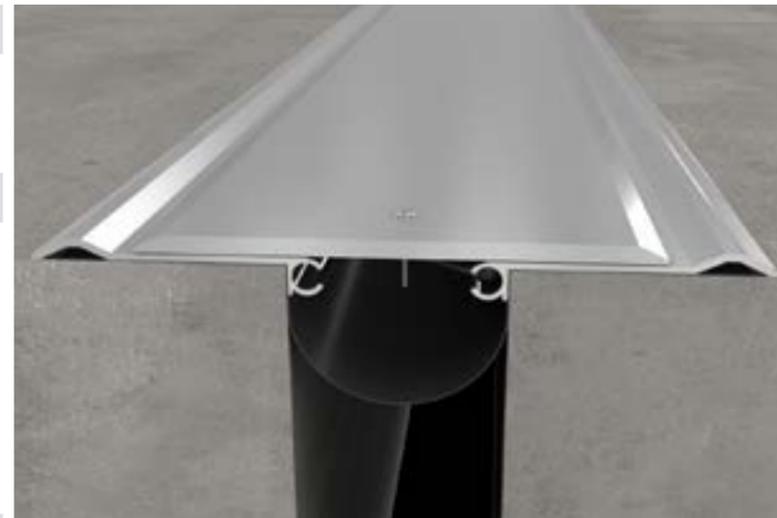


**APPLICATION**

- Heavy duty surface mount exposed plate; ideal for retrofit applications

**FEATURES**

- Designed for heavy loading
- Centering bar device holds cover in place throughout movement (SML excluded)
- Surface mount installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Ships in 10' lengths

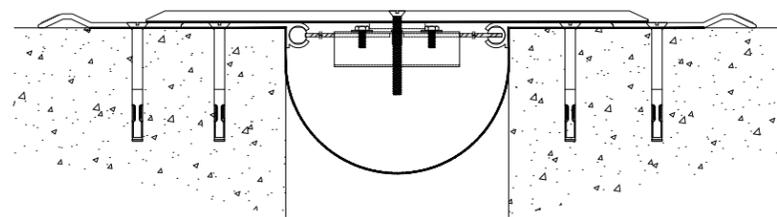


**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



SM - Floor-to-floor

**JOINT SIZES**

2-12"+

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



**LOAD**

Pedestrian through Slow Vehicular\*



\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
METAL COVER SYSTEMS

**SMPQ** Surface Plate



**APPLICATION**

- Heavy duty exposed plate in blockout

**FEATURES**

- Designed for heavy loading
- Centering bar device holds cover in place throughout movement (SMPQL excluded)
- Blockout installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Ships in 10' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2-12"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

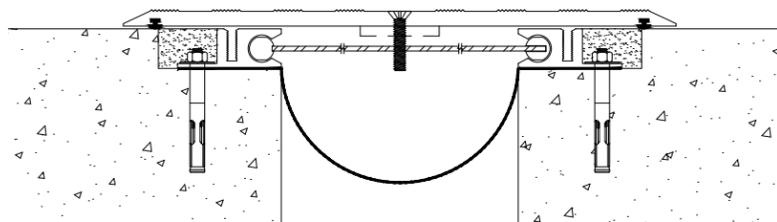


**LOAD**

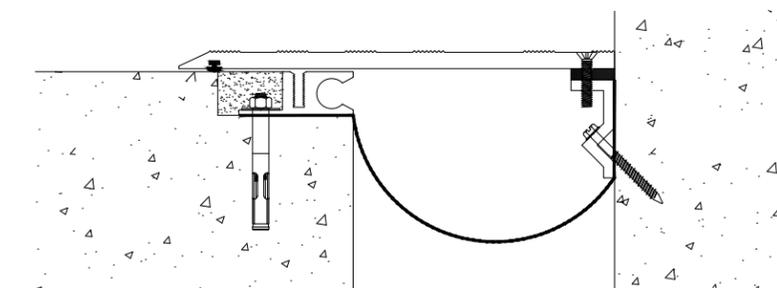
Pedestrian through Slow Vehicular\*



SMPQ - Floor-to-floor



SMPQL - Floor-to-wall



Shown: 6" joint

\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
METAL COVER SYSTEMS

**SWPQ** Recessed Blockout



**APPLICATION**

- Heavy duty exposed plate in blockout

**FEATURES**

- Designed for heavy loading
- Centering bar device holds cover in place throughout movement (SWPQL excluded)
- Blockout installation only
- Comes standard with secondary water barrier
- Drain assemblies available\*
- Ships in 10' lengths



**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2-8"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

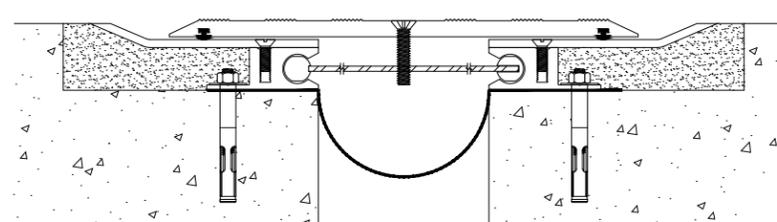


**LOAD**

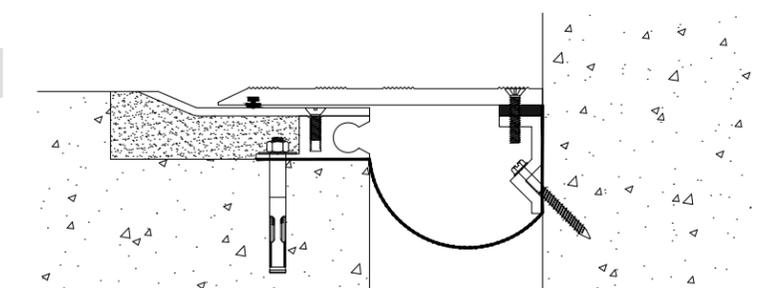
Pedestrian through Slow Vehicular\*



SWPQ - Floor-to-floor



SWPQL - Floor-to-wall



Shown: 4" joint

\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
**ELASTOMERIC SEAL SYSTEMS**

**CS** Winged Multi-chambered Seal



**APPLICATION**

- Vehicular-rated seal in blockout

**FEATURES**

- Designed for heavy loading
- Factory-fabricated transitions available
- Blockout installation only, with elastomeric concrete and no mechanical fasteners
- Available in black (gray optional, subject to additional charges and extended lead times)
- Ships in up to 100' lengths\*

**PERFORMANCE\*\***

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1.5-4"

**MOVEMENT**

Expansion/Contr. (See detail)



Lateral Shear (See detail)

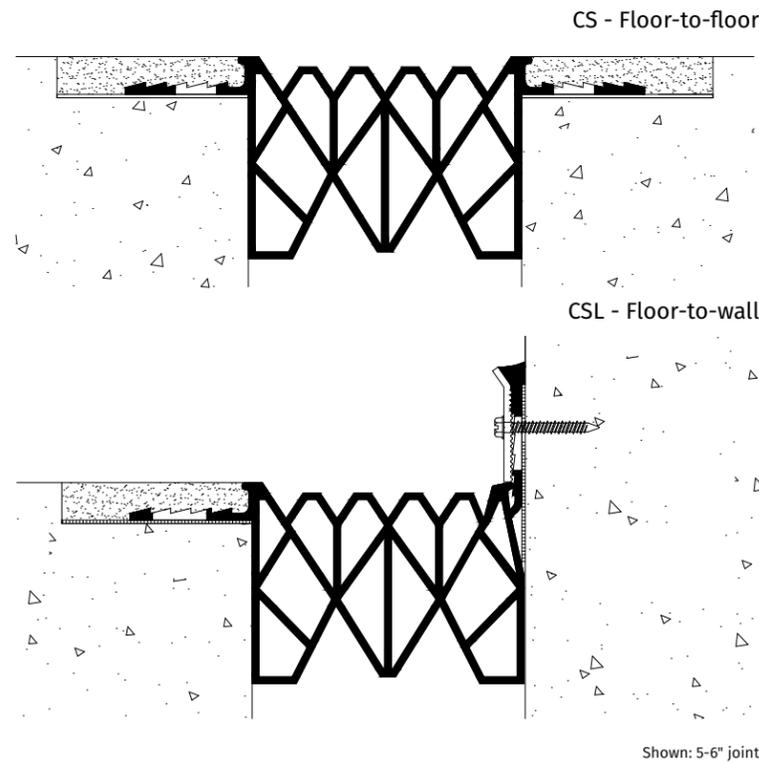
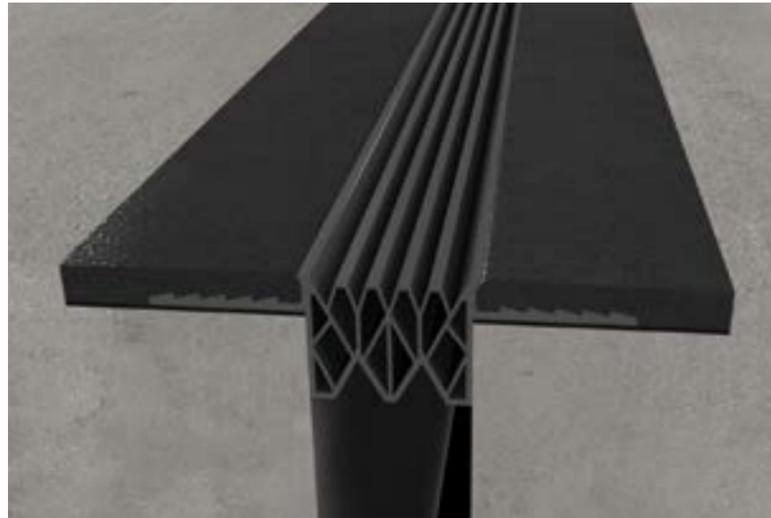


Vertical Shear (Contact Factory)



**LOAD**

Pedestrian through Slow Vehicular\*\*\*



\*Longer runs may be available with some joint sizes.  
\*\*See Tech Data sheet for additional performance data (available online).  
\*\*\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
**ELASTOMERIC SEAL SYSTEMS**

**RB** Rubber Block Seal



**APPLICATION**

- Vehicular-rated seal in blockout

**FEATURES**

- Easy to install
- No exposed fasteners
- Handles high-speed traffic
- Water and debris resistant
- Blockout installation
- Ideal for where snow removal equipment may be used
- Available in black only
- Blocks ship in 6' lengths, seal ships in up to 125' lengths

**PERFORMANCE\***

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-3"

**MOVEMENT**

Expansion/Contr. (See detail)

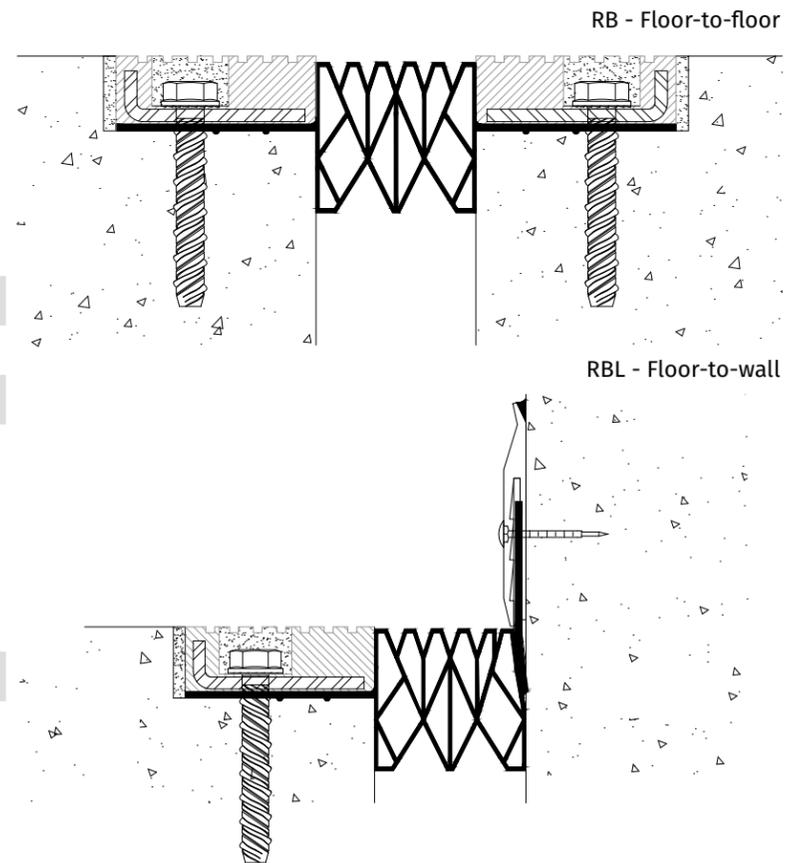


Vertical Shear (Contact Factory)



**LOAD**

Pedestrian up to HS-20 Vehicular\*\*



\*See Tech Data sheet for additional performance data (available online).  
\*\*See load data sheet (pages 177 & 178) for details.





EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
ELASTOMERIC SEAL SYSTEMS

**ES** Epoxy Bonded Seal

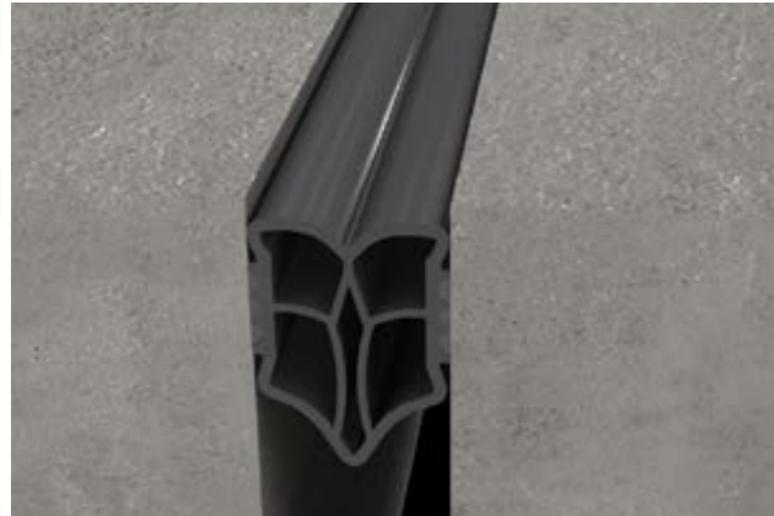


**APPLICATION**

- High-strength elastic compression seal; ideal for retrofit applications

**FEATURES**

- Easy vacuum install
- Withstands vehicular traffic
- Installs with epoxy, without mechanical fasteners
- Water and debris resistant
- No blackout required
- Available in black only
- 1-2" ships in up to 100' lengths, 2.5-3" ships in up to 30' lengths



**PERFORMANCE\***

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

1-3"

**MOVEMENT**

Expansion/Contr. (See detail)



Vertical Shear (Contact Factory)

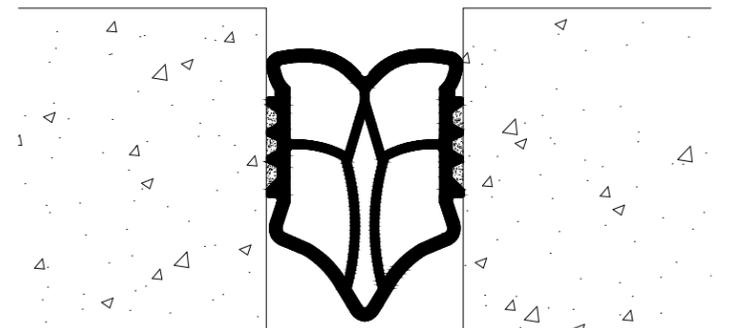


**LOAD**

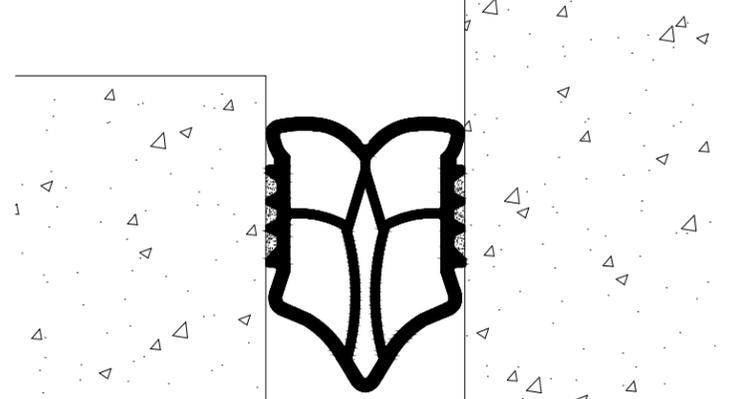
Pedestrian through Slow Vehicular\*\*



ES - Floor-to-floor



ES - Floor-to-wall



\*See Tech Data sheet for additional performance data (available online).  
\*\*See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
ELASTOMERIC SEAL SYSTEMS

**FS** Flex Seal



**APPLICATION**

- Flexible neoprene foam compression seal; ideal for retrofit applications

**FEATURES**

- Easy to Install
- Installs with epoxy, without mechanical fasteners
- No blackout required
- Available in black only
- 1-2" ships in up to 100' lengths, 2.5-4" ships in up to 75' lengths



**PERFORMANCE\***

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

1-4"

**MOVEMENT**

Expansion/Contr. (See detail)



Vertical Shear (Contact Factory)

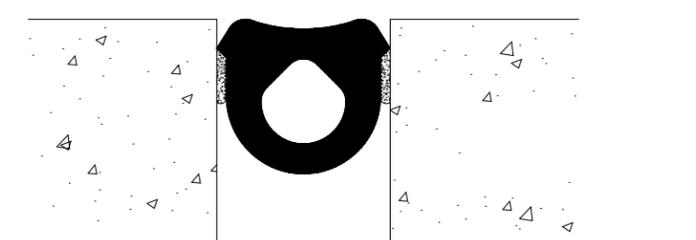


**LOAD**

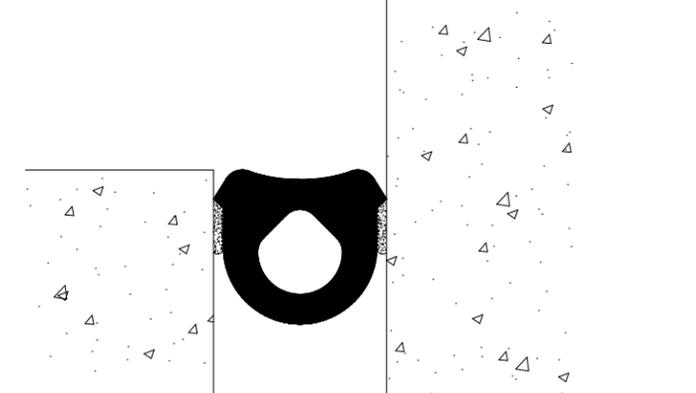
Pedestrian\*\*



FS - Floor-to-floor



FS - Floor-to-wall



\*See Tech Data sheet for additional performance data (available online).  
\*\*Requires a metal cover at pedestrian traffic. See load data sheet (pages 177 & 178) for details.

EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
ELASTOMERIC SEAL SYSTEMS

EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
FOAM SEAL SYSTEMS

**SSPD** Split Slab Multi-chambered Seal



**APPLICATION**

- Integrates waterproofing membrane at structural slab with expansion joint

**FEATURES**

- Easy to Install
- No exposed fasteners
- Available in black only
- Aluminum ships in 10' lengths, elastomer ships in up to 100' lengths

**PERFORMANCE\***

- Seismic, thermal and wind movement per ASTM E1399 standard



- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**JOINT SIZES**

2.5-3.5"

**MOVEMENT**

±50% Expansion/Contr.

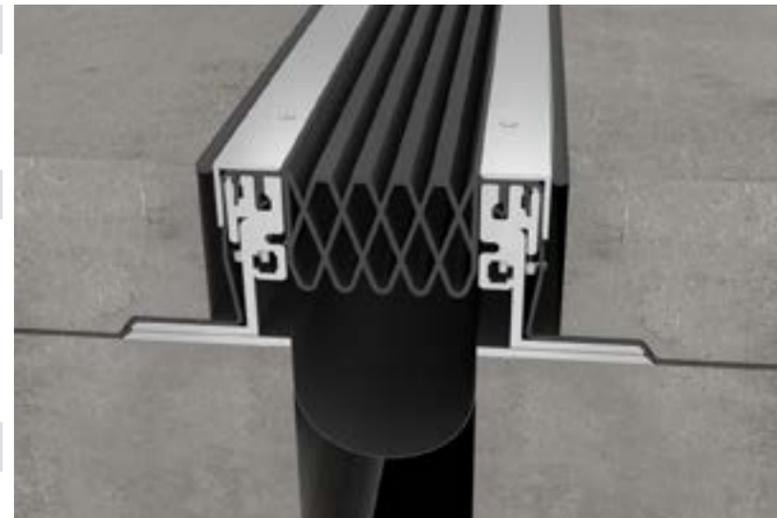


Vertical Shear (Contact Factory)

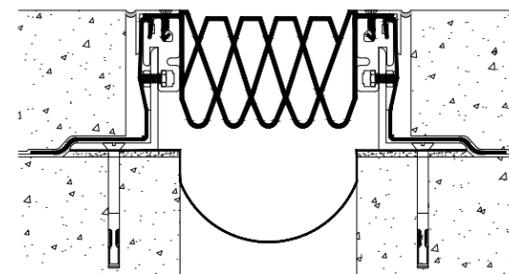


**LOAD**

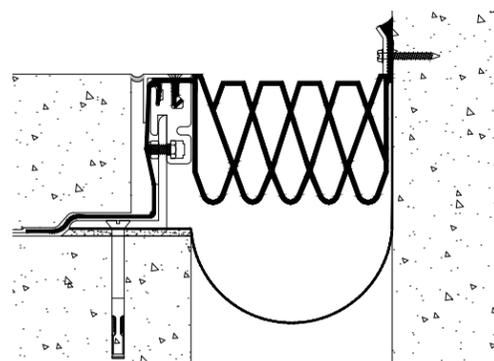
Pedestrian\*\*



SSPD - Floor-to-floor



SSPDL - Floor-to-wall



Shown: 6" joint

**BCSF-SL** Pre-compressed Primary Seal



**APPLICATION**

- Traffic-grade, water-tight foam seal with silicone face

**FEATURES**

- Easy to install
- Installs with epoxy, without mechanical fasteners
- UV stable, chemically resistant, watertight, mildew resistant, dust-proof, airtight, sound resistant, insulated
- Available in gray silicone only
- Ships in 5' lengths

**PERFORMANCE\***

- Meets 21 psi min. tensile strength per ASTM 3574
- Flame spread 0 (self-extinguishing) per ASTM E84
- Sound transmission loss rating as high as 50 STC, 46 OITC per ASTM E90
- Air leakage (L Rating) minimum of <0.01 cfm/ft² per ASTM E 283
- Passes water penetration test per ASTM E 547 and ASTM E 331
- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

0.5-6"

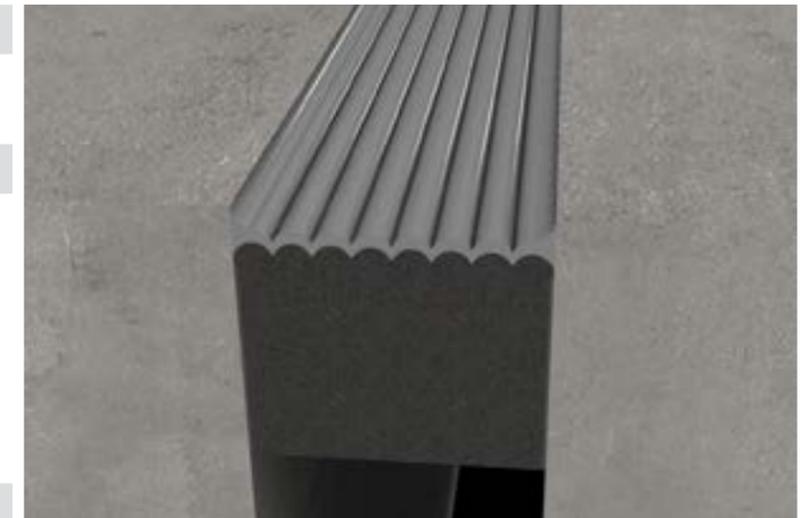
**MOVEMENT**

±50% Expansion/Contr.

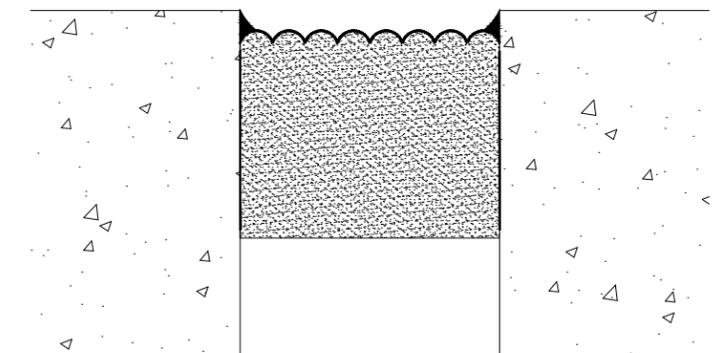


**LOAD**

Pedestrian through Slow Vehicular\*\*



BCSF-SL - Floor-to-floor



Shown: 4" joint

\*See Tech Data sheet for additional performance data (available online).  
\*\*Requires a metal cover at pedestrian traffic. See load data sheet (pages 177 & 178) for details.

\*See Tech Data sheet for additional performance data (available online).  
\*\*Up to 3" only; larger size requires metal cover. See load data sheet (pages 177 & 178) for details.



EXPANSION JOINT SYSTEMS  
PARKING & OPEN-AIR SYSTEMS  
FOAM SEAL SYSTEMS

**BHFE** Non Pre-compressed EVA Seal



**APPLICATION**

- Water-tight foam seal; ideal for below grade applications

**FEATURES**

- Ethylene Vinyl Acetate (EVA)
- For secondary waterproofing only; requires additional protection on floor applications\*
- Easy to install
- Installs with epoxy, without mechanical fasteners
- Available in gray only
- Ships in 6' lengths



**PERFORMANCE\***

- Sound transmission loss rating as high as 36 STC, 35 OITC per ASTM E90
- No-cracking weather resistance per ASTM D1499
- Water absorption <.02lbs/ft<sup>2</sup> per ASTM D3575
- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

0.5-4"

**MOVEMENT**

±25% Expansion/Contr.

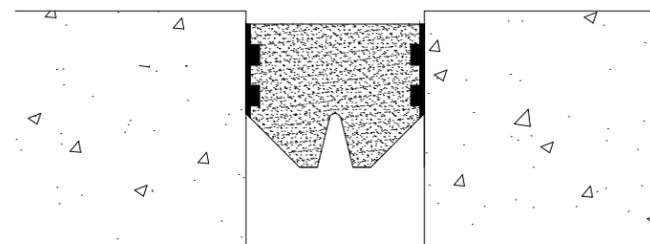


**LOAD**

Pedestrian through Slow Vehicular\*\*



BHFE - Floor-to-floor



EXPANSION JOINT SYSTEMS  
**DETAILS**



**WB** Secondary Water Barrier

**APPLICATION**

- EPDM moisture barrier sheet

**FEATURES**

- Can be used with most expansion joint systems
- Available in black only
- Drain assemblies available
- Ships in up to 50' lengths

**PERFORMANCE**

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

**JOINT SIZES**

1-24"

**MOVEMENT**

±50% to ±100% Expansion/Contr.



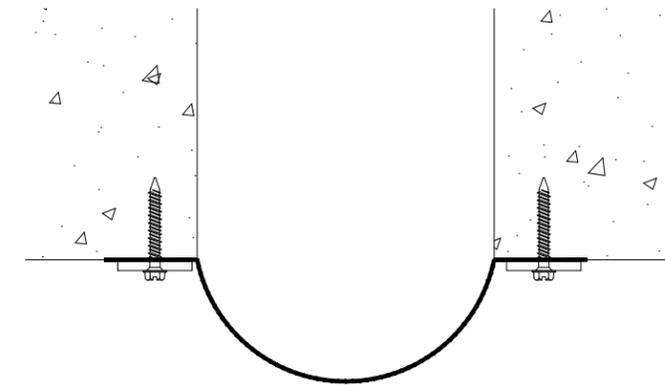
±50% to ±100% Lateral Shear



±50% to ±100% Vertical Shear

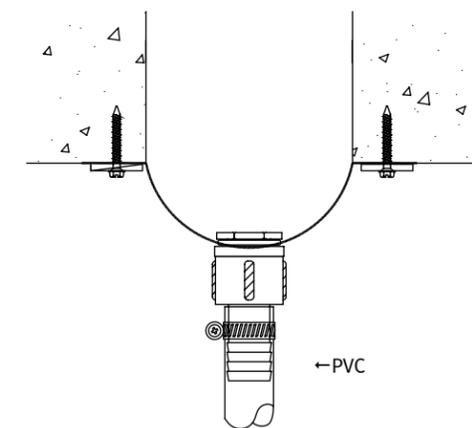


WB



Shown: 1" joint

**Drain Assembly Option**



\*See Tech Data sheet for additional performance data (available online).  
\*\*Up to 3" only; larger size requires metal cover. See load data sheet (pages 177 & 178) for details.



## EXPANSION JOINT SYSTEMS DETAILS

### SILICONE OPTIONS Dow Corning® 790

"Other" colors subject to 100-foot-per-product minimum order quantity or set up charges, applicable to all Michael Rizza™ (RR, RW & PCS) products. For EV & IS, standard colors are Black, White, Gray, Bronze and Sandstone. For BCS, all colors are standard.

STANDARD	OTHER					
Black	Precast White	Limestone	White	Natural Stone	Gray	Bronze
	Sandstone	Adobe Tan	Dusty Rose	Rustic Brick	Blue Spruce	Charcoal

### SANTOPRENE OPTIONS

White	Tan	Gray	Bronze	Black

\*White not available for floor applications.

### BELLOW FLANGE METAL OPTIONS BRB SERIES ONLY

Aluminum (BRBA)	Copper (BRBC)	Galvanized Steel (BRBG)	Stainless Steel (BRBS)

Standard CAD details available online. Many Expansion Joint Systems may come in larger sizes. For specific or custom details, contact Balco directly. Color chart is for reference only. Contact factory for physical samples, as colors may vary.



## EXPANSION JOINT SYSTEMS DETAILS

### ABRASIVE OPTIONS

Proprietary, two-part formula of epoxy and aluminum oxide abrasive.

Black	Black Rain	Brown Bark	Canyon Tan	Gravel Gray	Pineland Green	Rare Earth
Red Stone	Silver Gray	Twilight Blue	Yellow			

### METAL FINISH OPTIONS

#### STANDARD ANODIZED

Subject to additional charges and extended lead times.

Mill Aluminum	Clear*	Champagne	Light Bronze	Medium Bronze	Dark Bronze	Black

\*Clear anodized finish is standard on all exposed plate wall applications.

Standard CAD details available online. Many Expansion Joint Systems may come in larger sizes. For specific or custom details, contact Balco directly. Color chart is for reference only. Contact factory for physical samples, as colors may vary.





## EXPANSION JOINT SYSTEMS DETAILS

### KYNAR OPTIONS

Subject to additional charges and extended lead times.

#### TRINAR® ULTRA – Standard Colors in a 2-Coat System

A more environmentally-friendly version that contains a lower level of VOC's.



#### TRI-Escent® II – Mica Colors in a 2-Coat System

Subtly appears to change color as the angle of the sun changes, season after season, year after year.



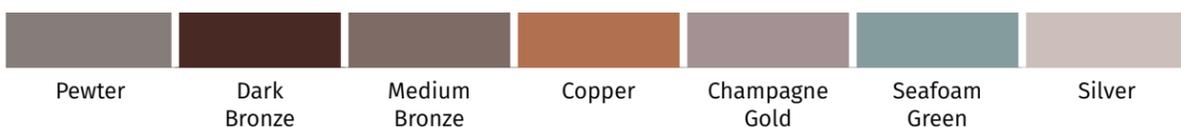
#### TRINAR® TEC – Exotic Colors in a 3-Coat System

Colors are available in a broad spectrum of vibrant, bright and very clean colors; additional charge may apply



#### TRINAR® TMC – Metallic Colors in a 3-Coat System

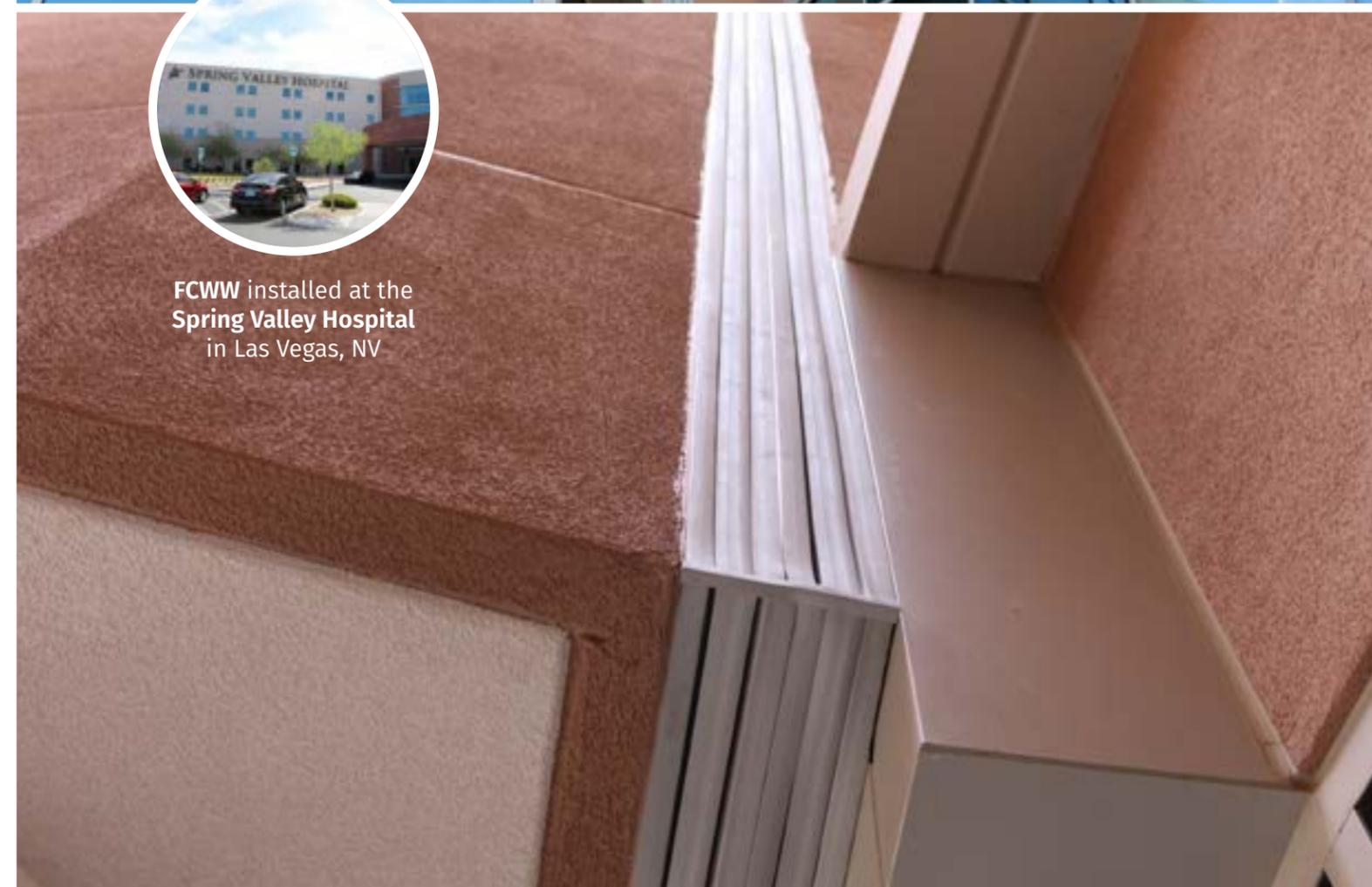
Metallic colors offer either a bright or subdued metal color, which is very popular throughout architectural community; additional charge may apply

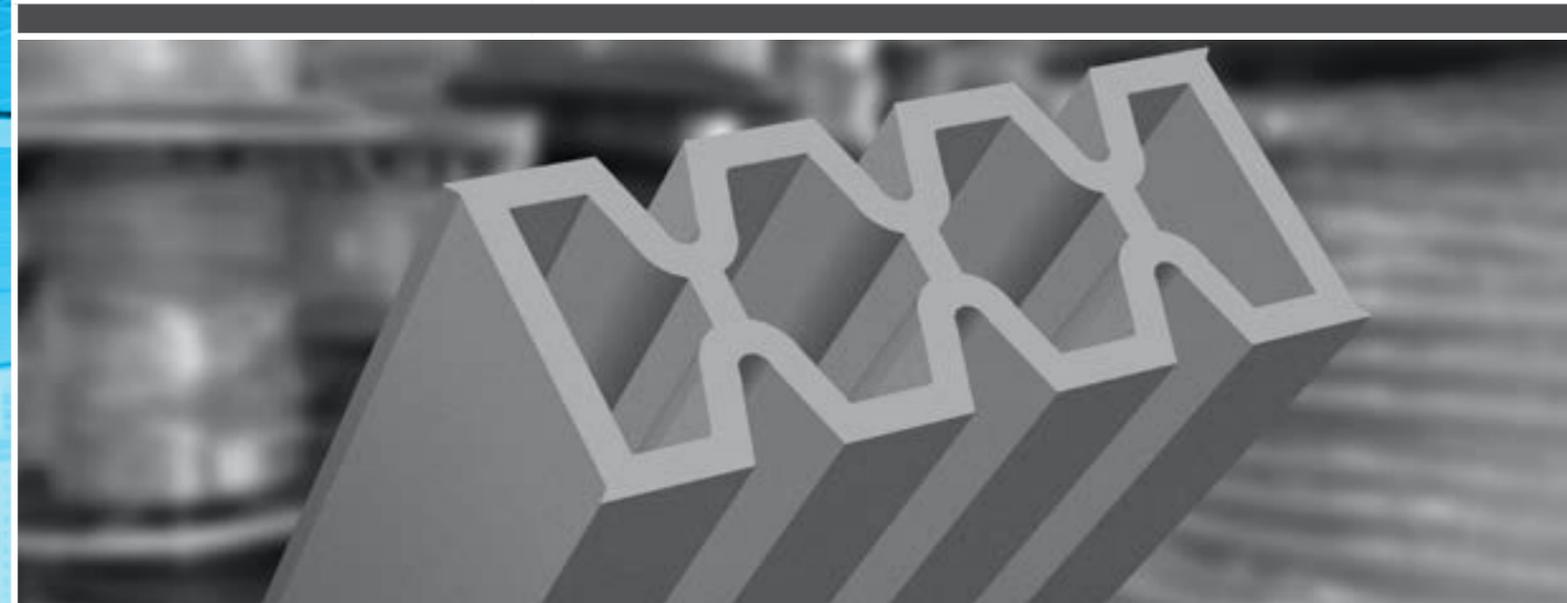


Standard CAD details available online. Many Expansion Joint Systems may come in larger sizes. For specific or custom details, contact Balco directly. Color chart is for reference only. Contact factory for physical samples, as colors may vary.



FCWW installed at the  
Spring Valley Hospital  
in Las Vegas, NV





## PARTITION CLOSURE

Balco's PCS-Series is an all-silicone compression seal that has been expertly designed for the vertical joints between interior partitions and exterior curtain wall and glazing systems. It is the industry's longest, most versatile, flexible, inexpensive, easy-to-install and highly-durable vertical expansion joint available. The perfect seal solution.

# PARTITION CLOSURE PCS-SERIES

MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM

## APPLICATION

- Seal between partition walls and exterior curtain walls

## FEATURES

- Premium extruded silicone
- Multiple silicone color options available\*
- Optional clear, anodized, extruded aluminum bases provide various closure and attachment options
- Easy installation
- Aluminum ships in 10' lengths, Silicone ships in 100' lengths
- No mechanical fasteners required

## PERFORMANCE

- Thermal and wind movement tested per standard ASTM E1399



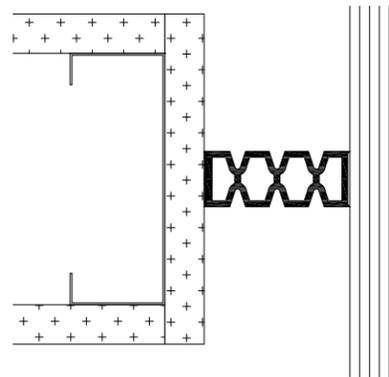
- Sound reduction qualities of up to STC-58 (for double install)
- Contributes to LEED® credits

## JOINT SIZES

2"

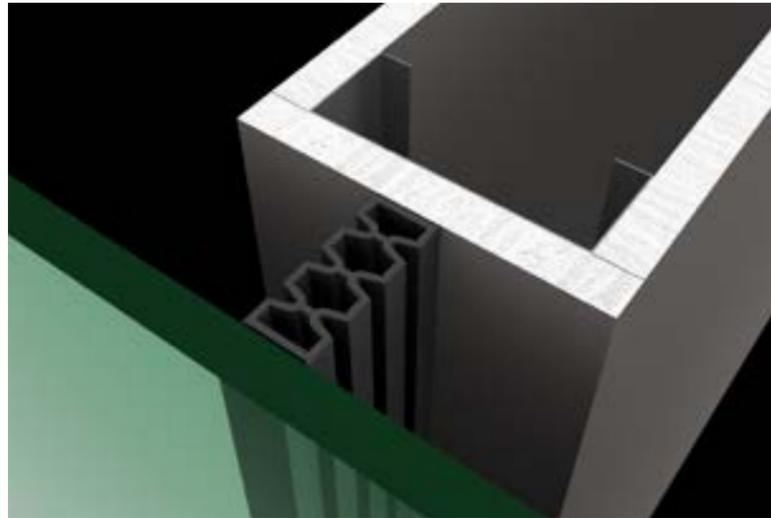
## MOVEMENT

±20% to 25%\* Expansion/Contr.



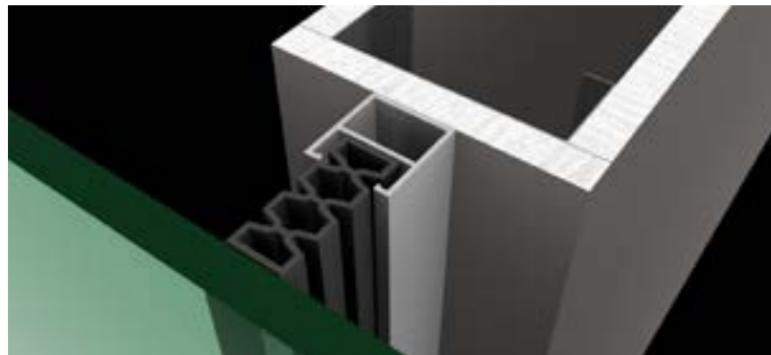
### PCS-1

Seal Only



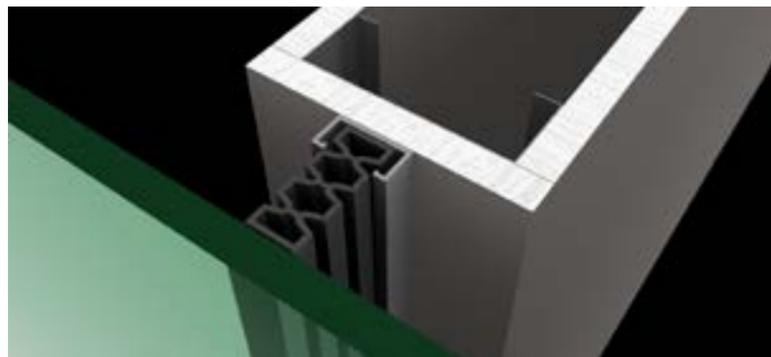
### PCS-1B

Seal & Tube Channel Base Member



### PCS-1C

Seal & C-Channel Base Member



\*Details on next page.

# PARTITION CLOSURE DETAILS

## SILICONE COLOR OPTIONS

Dow Corning® 790

### STANDARD

### OTHER

Subject to 100-foot-per-product minimum order quantity or set up charges.



Color chart is for reference only. Contact factory for physical samples, as colors may vary.



# FIRE BARRIERS



Balco's fire barriers protect expansion joint openings by dynamically continuing the fire-rated construction design elements throughout the structural separation. The barriers are engineered with fire resistance, helping contain fires to the point of origin

providing occupants sufficient time to egress safely. They can be used with all Balco expansion joint systems, accommodate wind, thermal and seismic movements and have fire ratings of up to four hours.

FIRE BARRIERS  
FLOOR SYSTEMS  
**METABLOCK®**

FIRE BARRIERS  
FLOOR SYSTEMS  
**METAMAT™**

**APPLICATION**

- Versatile, fire-resistant barrier for horizontal expansion joints

**FEATURES**

- Installs without mechanical fasteners or fire caulking
- Minimal depth of 2 1/2" required for installation
- Ships in 7', tongue and groove lengths for easy splicing and transitioning
- Ideal for use with elastomeric seals

**PERFORMANCE**

- Fire resistance rating of 1-4 hours tested in accordance with ASTM E1966 and UL 2079
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



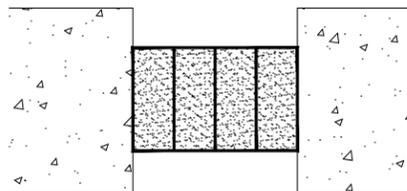
- Contributes to LEED® credits

**JOINT SIZES**

1-4"\*

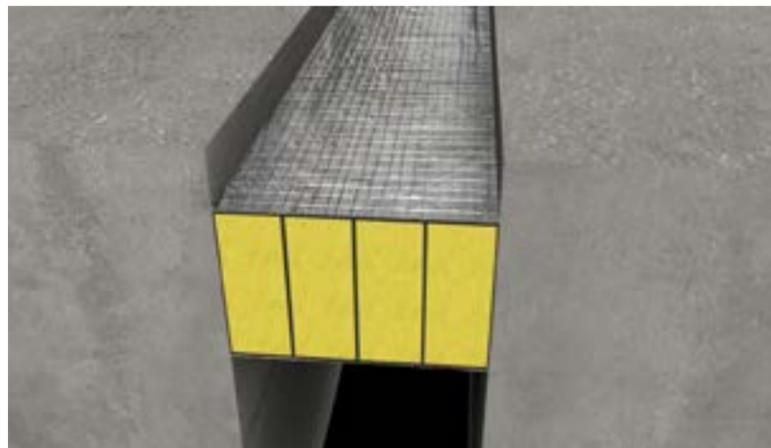
**MOVEMENT**

±50% to ±100% Expansion/Contr.



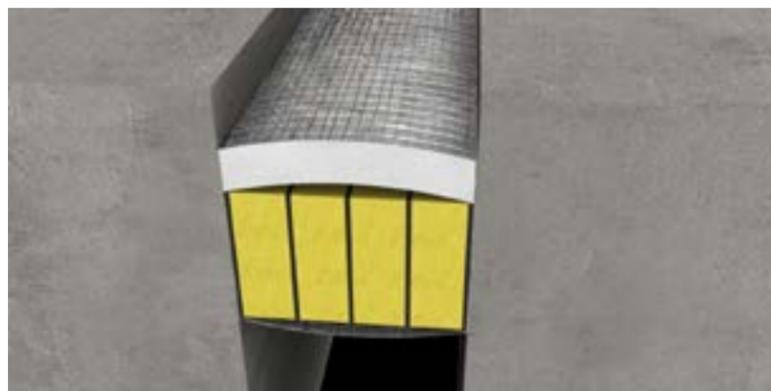
**MBF2H**

**2 Hour**



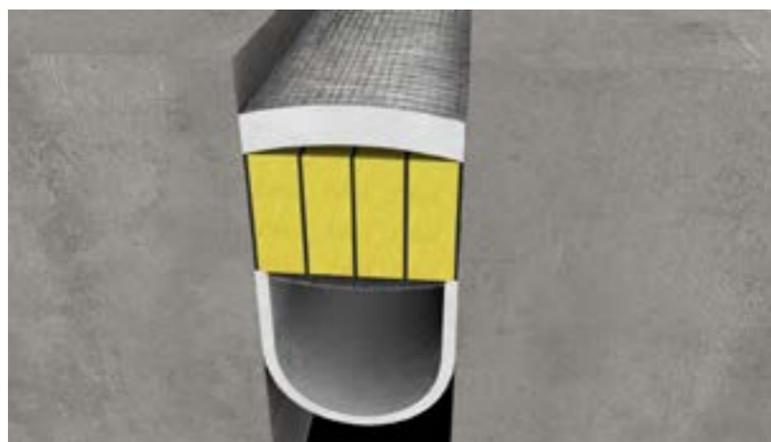
**MBF3H**

**3 Hour**



**MBF4H**

**4 Hour**



\*Joint size availability varies slightly between products.

**APPLICATION**

- Fire-resistant barrier for horizontal expansion joints

**FEATURES**

- Installs easily in narrow joints
- No caulking required
- Thin materials allow for more close movement than traditional barriers
- Ships from 10' lengths to up to 40' rolls, depending upon joint size (rolls minimize splicing during installation and store easily)
- Lightweight and flexible
- Cost effective

**PERFORMANCE**

- Fire resistance rating of 2 hours tested in accordance with ASTM E1966 and UL 2079
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



- Contributes to LEED® credits

**JOINT SIZES**

1-4"

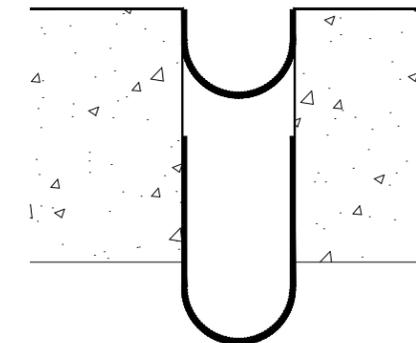
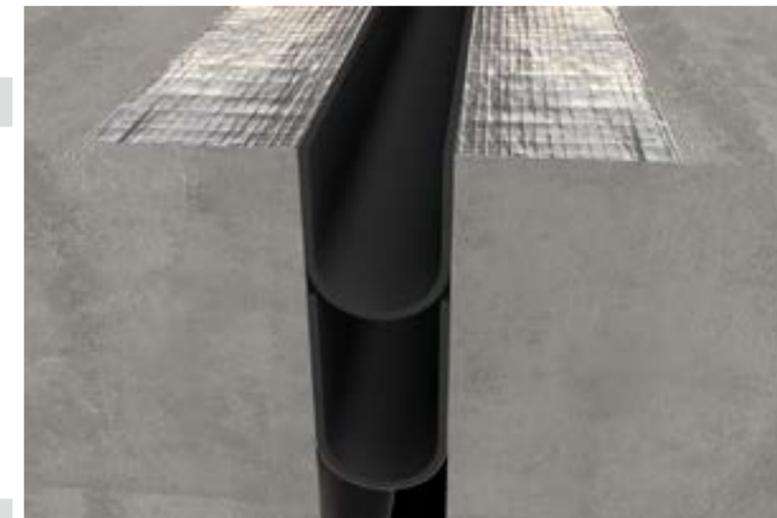
**MOVEMENT**

±50% to ±100% Expansion/Contr.



**MF2H**

**2 Hour**





FIRE BARRIERS  
FLOOR SYSTEMS  
**METAFLEX® 2000**

**APPLICATION**

- Fire-resistant barrier for larger horizontal expansion joints

**FEATURES**

- Easy end-to-end splicing
- Ships in 10' lengths
- Ideal for spanning wide expansion joints

**PERFORMANCE**

- Fire resistance rating of 2 hours tested in accordance with ASTM E1966 and UL 2079
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



- Contributes to LEED® credits

**JOINT SIZES**

6-24"

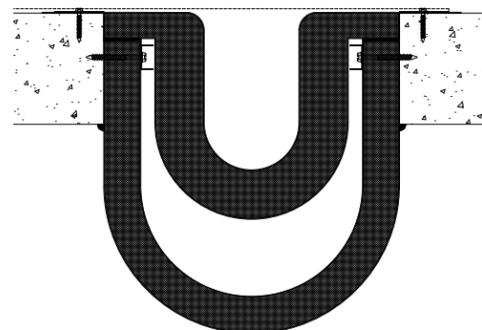
**MOVEMENT**

±50% to ±100% Expansion/Contr.



**2HFFB**

**2 Hour**



FIRE BARRIERS  
FLOOR SYSTEMS

**FR PRECOMPRESSED FOAM**

**APPLICATION**

- Fire-resistant barrier and watertight seal for exterior, horizontal expansion joints

**FEATURES**

- Installs without mechanical fasteners
- Metal joint cover required for joints larger than 3"
- Ships in 6' 6" lengths
- UV stable, chemically resistant, watertight, mildew resistant, dust-proof, airtight, sound resistant, insulated
- Multiple silicone color options available\*

**PERFORMANCE\*\***

- Fire resistance rating of 2-3 hours tested in accordance with ASTM E1966 and UL 2079
- Sound transmission loss rating as high as 54 STC, 46 OITC per ASTM E90
- Air leakage (L Rating) minimum of <0.01 cfm/ft<sup>2</sup> per ASTM E 283
- Passes water penetration test per ASTM E 547 and ASTM E 331
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



- Contributes to LEED® credits

**JOINT SIZES**

1-4.5"\*\*\*

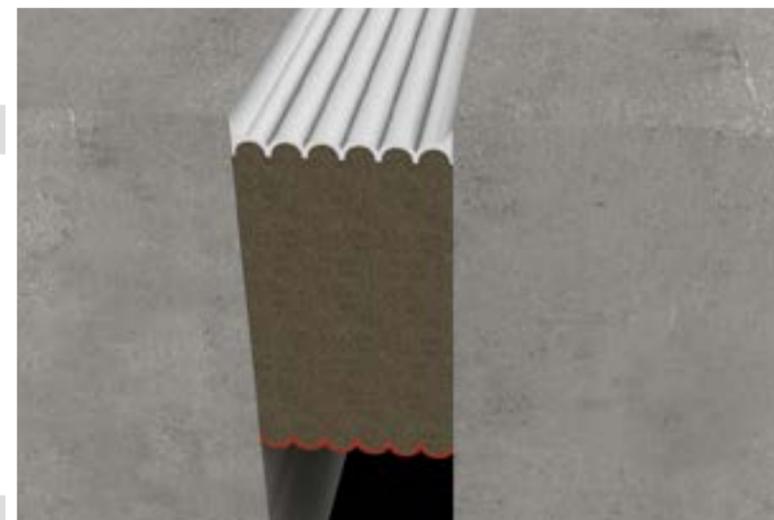
**MOVEMENT**

±25% to ±50% Expansion/Contr.



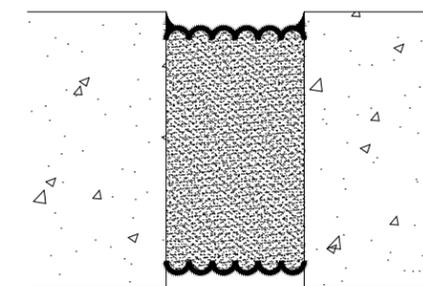
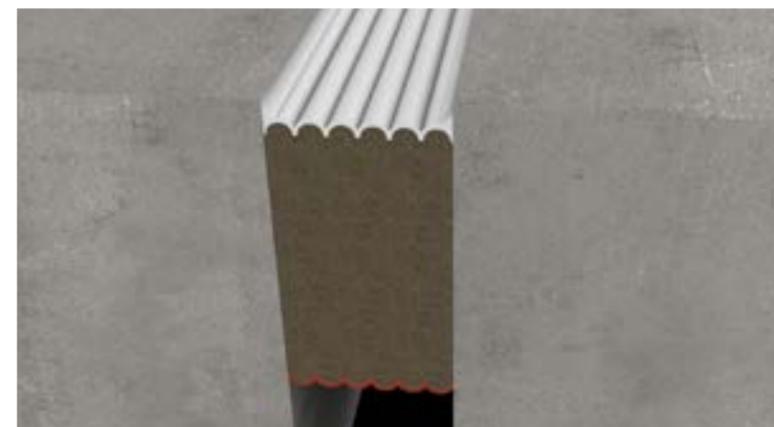
**2FRBCSF-SL**

**2 Hour**



**3FRBCSF-SL**

**3 Hour**



\*See details (page 112).  
\*\*See Tech Data sheet for additional performance data (available online).  
\*\*\*Joint size availability varies slightly between products.

FIRE BARRIERS  
WALL SYSTEMS  
**METABLOCK®**

FIRE BARRIERS  
WALL SYSTEMS  
**METAMAT™**

**APPLICATION**

- Versatile, fire-resistant barrier for vertical expansion joints

**FEATURES**

- Installs without mechanical fasteners or fire caulking
- Minimal depth of 2 1/2" required for installation
- Ships in 7', tongue and groove lengths for easy splicing and transitioning
- Ideal for use with elastomeric seals

**PERFORMANCE**

- Fire resistance rating of 1-4 hours tested in accordance with ASTM E1966 and UL 2079
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



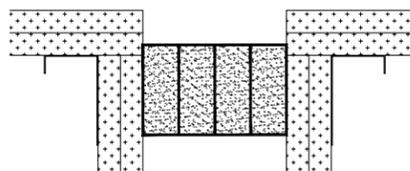
- Contributes to LEED® credits

**JOINT SIZES**

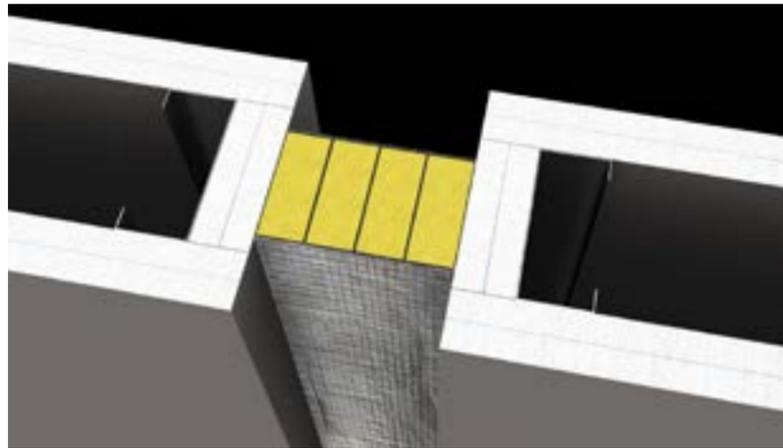
1-4"\*

**MOVEMENT**

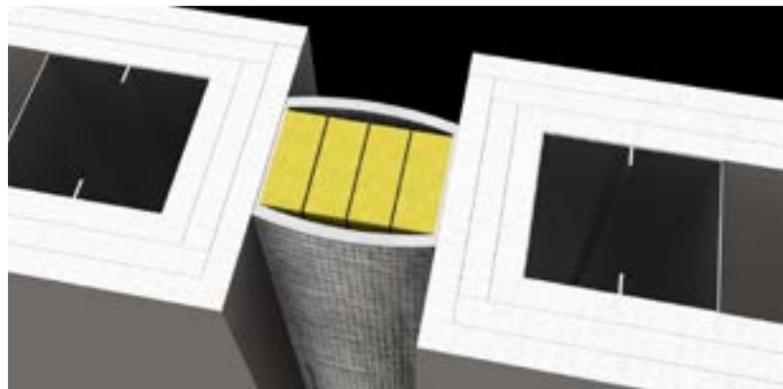
±50% to ±100% Expansion/Contr.



**MBW2H 2 Hour**



**MBW3H 3 Hour**

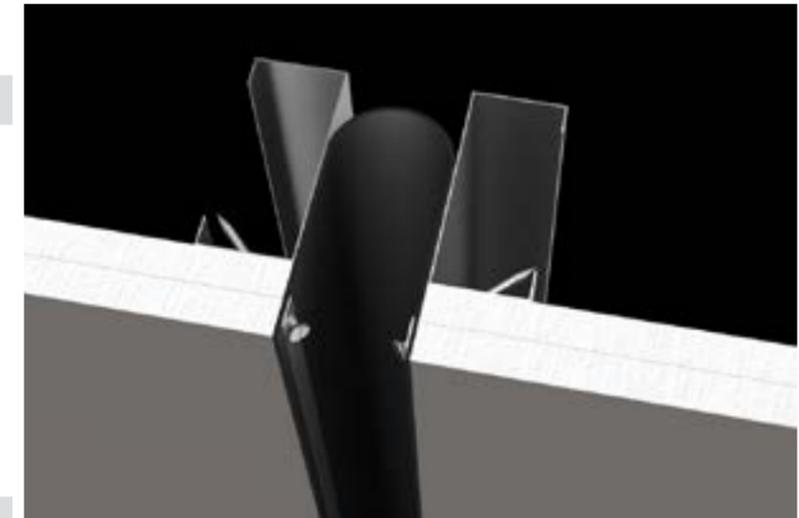


**MBW4H 4 Hour**



\*Joint size availability varies slightly between products.

**MW2H 2 Hour**



**APPLICATION**

- Fire-resistant barrier for vertical expansion joints

**FEATURES**

- Installs easily in narrow joints
- No caulking required
- Thin materials allow for more close movement than traditional barriers
- Ships from 10' lengths to up to 40' rolls, depending upon joint size (rolls minimize splicing during installation and store easily)
- Lightweight and flexible
- Cost effective

**PERFORMANCE**

- Fire resistance rating of 2 hours tested in accordance with ASTM E1966 and UL 2079
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



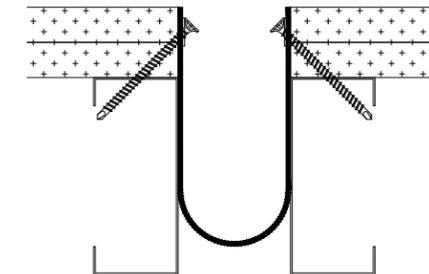
- Contributes to LEED® credits

**JOINT SIZES**

1-4"

**MOVEMENT**

±50% to ±100% Expansion/Contr.





# METAFLEX® 2000

## APPLICATION

- Fire-resistant barrier for larger vertical expansion joints

## FEATURES

- Easy end-to-end splicing
- Ships in 10' lengths
- Ideal for spanning wide expansion joints
- Joint cover not required for wall systems

## PERFORMANCE

- Fire resistance rating of 2 hours tested in accordance with ASTM E1966 and UL 2079
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



- Contributes to LEED® credits

## JOINT SIZES

6-24"

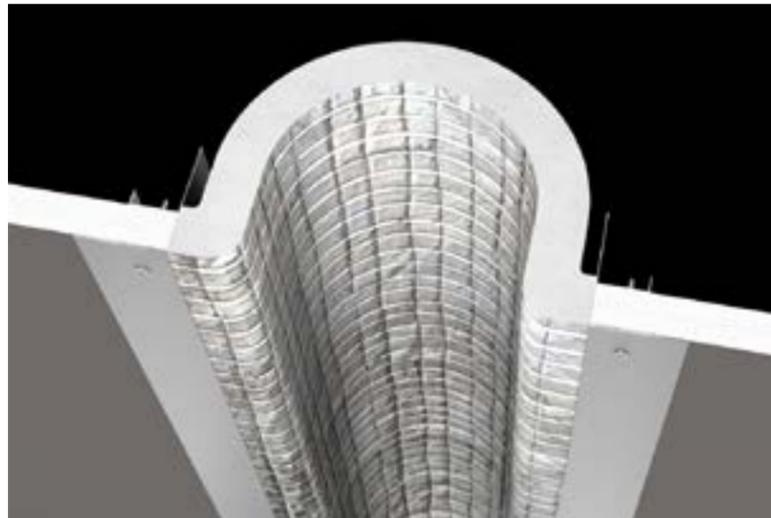
## MOVEMENT

±50% to ±100% Expansion/Contr.



2HWFB

2 Hour



# FR PRECOMPRESSED FOAM

## APPLICATION

- Fire-resistant barrier and water-tight seal for exterior, vertical expansion joints

## FEATURES

- Installs without mechanical fasteners
- Versatilely applicable in concrete, drywall, CMU and most exterior envelope conditions
- Ships in 6' 6" lengths
- UV stable, chemically resistant, watertight, mildew resistant, dust-proof, airtight, sound resistant, insulated
- Multiple silicone color options available\*

## PERFORMANCE\*\*

- Fire resistance rating of 2-3 hours tested in accordance with ASTM E1966 and UL 2079
- Sound transmission loss rating as high as 54 STC, 46 OITC per ASTM E90
- Air leakage (L Rating) minimum of <0.01 cfm/ft² per ASTM E 283
- Passes water penetration test per ASTM E 547 and ASTM E 331
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



- Contributes to LEED® credits

## JOINT SIZES

.5-6"\*\*\*

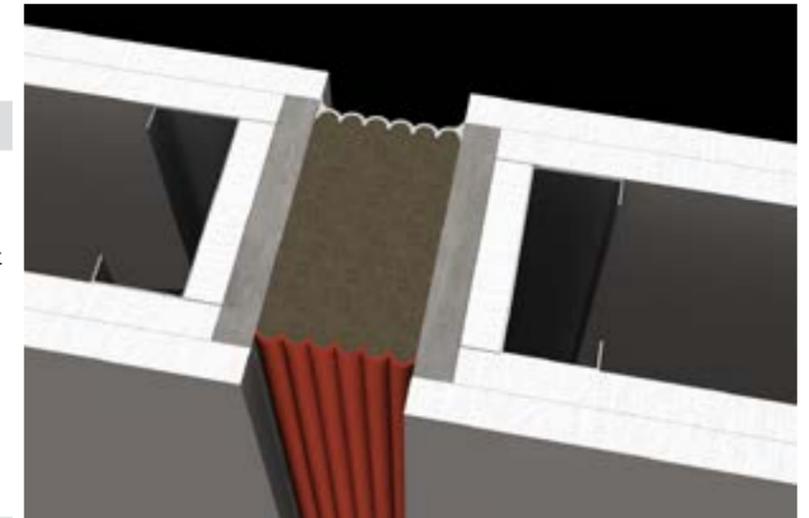
## MOVEMENT

±25% to ±50% Expansion/Contr.



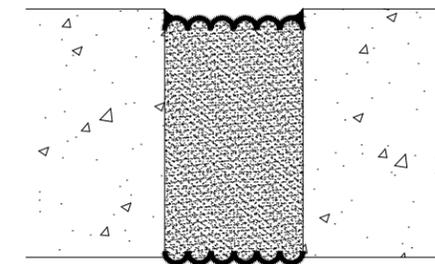
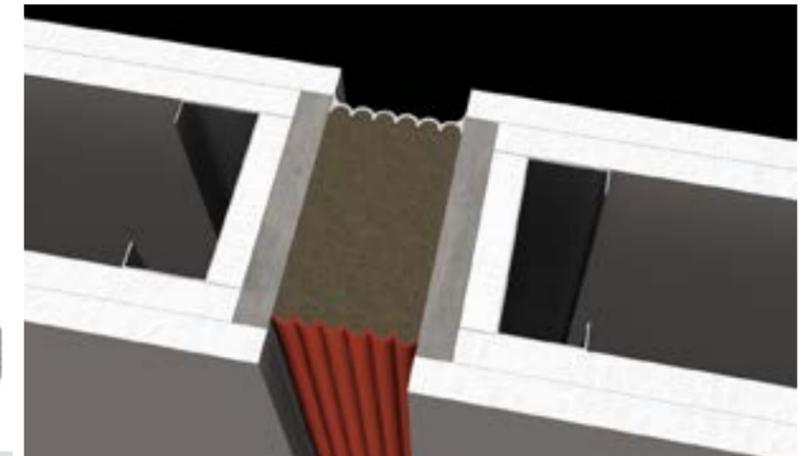
2FRBCSW

2 Hour



3FRBCSW

3 Hour



\*See details (page 112).  
 \*\*See Tech Data sheet for additional performance data (available online).  
 \*\*\*Joint size availability varies slightly between products.

# FIRE BARRIERS SMOKE GUARD

## APPLICATION

- Smoke-resistant barrier for horizontal or vertical expansion joints

## FEATURES

- Easy to Install
- Applicable in concrete, drywall and CMU conditions
- Able to stand alone or be used in conjunction with fire barrier and expansion joint covers

## PERFORMANCE

- Air leakage (L Rating) of <1CFM/ LF per UL 2079; meets IBC 715.6
- Seismic, Thermal and Wind movement tested per standard ASTM E 1399



- Contributes to LEED® credits

## JOINT SIZES

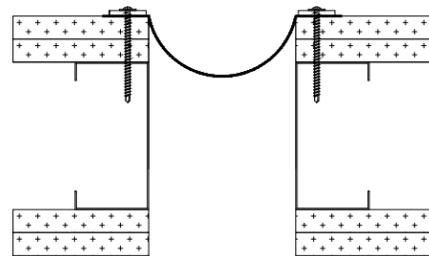
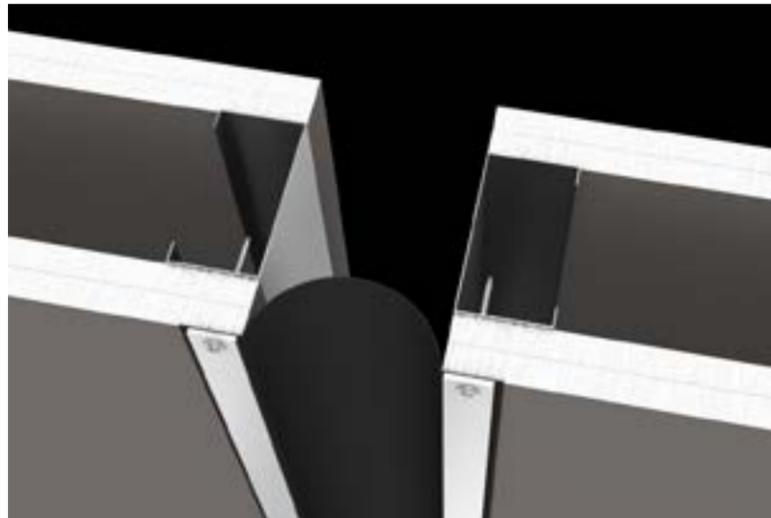
6-24"

## MOVEMENT

±50% to ±100% Expansion/Contr.



## EJSB Smoke Barrier



# FIRE BARRIERS DETAILS

## SILICONE OPTIONS

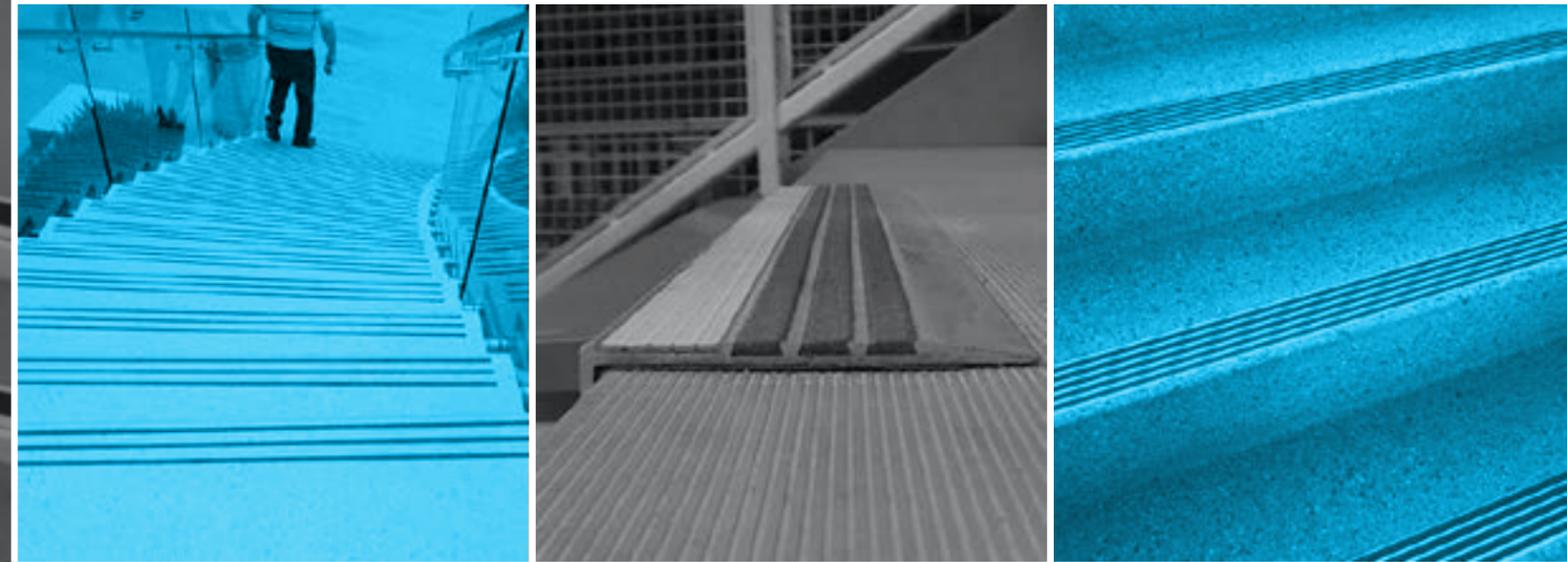
FR PRECOMPRESSED FOAM ONLY

Dow Corning® 790

### STANDARD



Color chart is for reference only. Contact factory for physical samples, as colors may vary.



## STAIR NOSINGS



Balco stair nosings provide safety, durability and long-term value to your facility. Installed at the front, protruding edge of a stair, they increase safety by providing an enhanced tread that is slip-resistant. Simultaneously, the aesthetic designs improve the overall

look of stairways and stairwells. Balco stair nosings are also an ideal and easy way to repair damaged stairs. Fabricated from quality materials, they are designed to endure, extending the life of your building.

STAIR NOSINGS  
RETROFIT  
**RS SERIES**

**RS** Ribbed Abrasive

**APPLICATION**

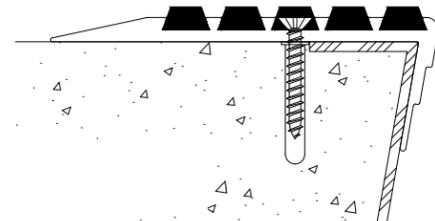
- Fastened to the leading edge of existing stairs

**FEATURES**

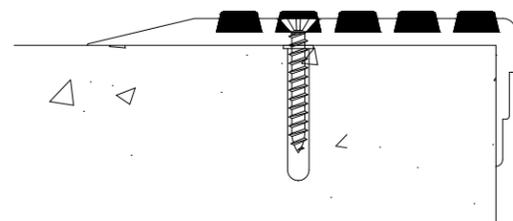
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

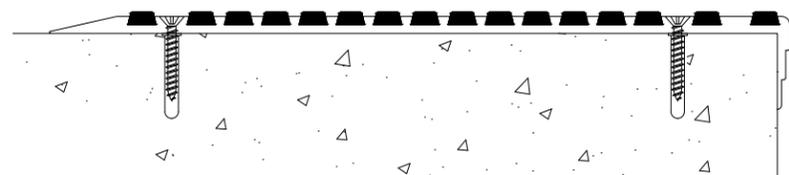
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**RS-405LP**  
4" width  
80-degree nose



**RS-405L**  
4" width  
90-degree nose



**RS-1116L**  
11" width  
90-degree nose

\*See details (page 123).

STAIR NOSINGS  
CAST-IN / BLOCKOUT  
**SINGLE COMPONENT**

**H** Set-back, Solid Abrasive

**APPLICATION**

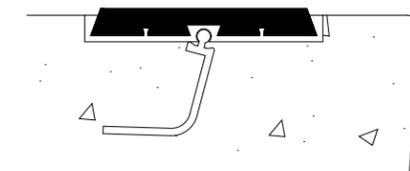
- Cast-in or blockout set back from the leading edge of stairs

**FEATURES**

- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



Available in  
1" 2" and 3" widths

**P** Solid Abrasive

**APPLICATION**

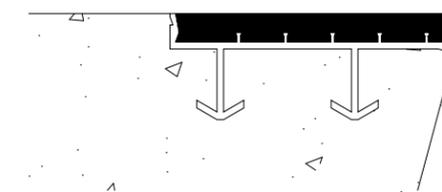
- Cast-in in the leading edge of stairs

**FEATURES**

- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Continuous extruded anchor, with no exposed fasteners
- Multiple abrasive color options available\*

**PERFORMANCE**

- ADA compliant slip-resistance
- Contributes to LEED® credits



Available in  
2" and 3" widths

\*See details (page 123).



STAIR NOSINGS  
CAST-IN/BLOCKOUT  
SINGLE COMPONENT

**PC** Narrow, Set-back, Ribbed Abrasive

**APPLICATION**

- Cast-in or blockout set back from the leading edge of stairs

**FEATURES**

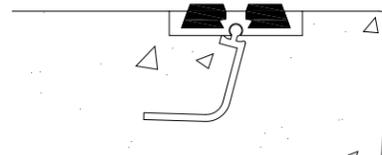
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*



1.375" width

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**R-300** Set-back, Ribbed Abrasive

**APPLICATION**

- Cast-in or blockout set back from the leading edge of stairs

**FEATURES**

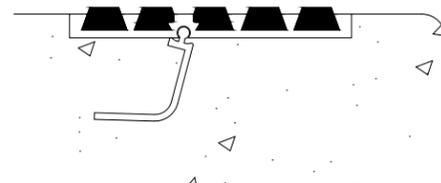
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*



3" width

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



\*See details (page 123).



STAIR NOSINGS  
CAST-IN/BLOCKOUT  
SINGLE COMPONENT

**R-315** Ribbed Abrasive

**APPLICATION**

- Cast-in or blockout in the leading edge of stairs

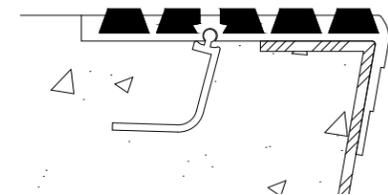
**FEATURES**

- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous, concrete and extruded anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*

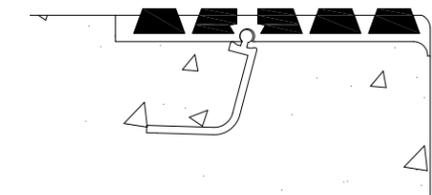


**PERFORMANCE**

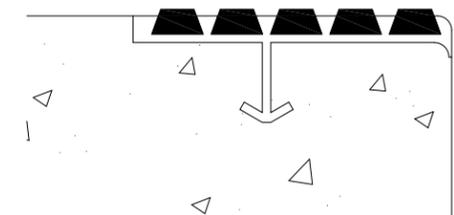
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**R-315LP**  
3" width  
80-degree nose



**R-315P**  
3" width  
Bullnose



**R-315PC**  
3" width  
Bullnose

\*See details (page 123).



STAIR NOSINGS  
CAST-IN/BLOCKOUT  
SINGLE COMPONENT

**T-213** Narrow, Ribbed Abrasive

**APPLICATION**

- Cast-in or blockout in the leading edge of stairs

**FEATURES**

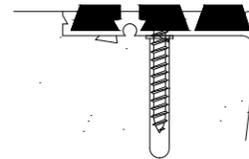
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*



2" width

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**T-417** Wide, Ribbed Abrasive

**APPLICATION**

- Cast-in or blockout in the leading edge of stairs

**FEATURES**

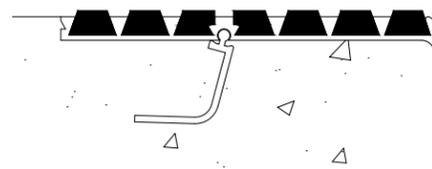
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available\*



4" width

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



\*See details (page 123).

STAIR NOSINGS  
CAST-IN/BLOCKOUT  
**TWO COMPONENT**



**DST** Ribbed Abrasive

**APPLICATION**

- Cast into leading edge of stairs where finished nosing requires protection during construction

**FEATURES**

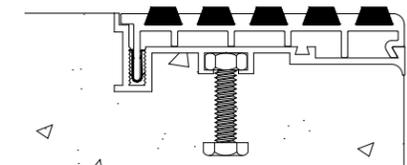
- Dual extruded aluminum components; base cast in during stair pour and finished nosing snaps into place later
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- No exposed fasteners
- Ships in up to 10' lengths
- Multiple abrasive color options available\*



3.25" width

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**DXH** Solid Abrasive

**APPLICATION**

- Cast into leading edge of stairs where finished nosing requires protection during construction

**FEATURES**

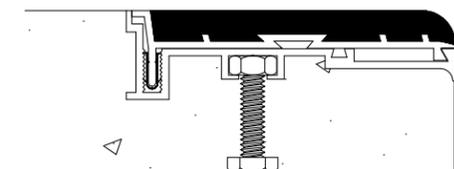
- Dual extruded aluminum components; base cast in during stair pour and finished nosing snaps into place later
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- No exposed fasteners
- Ships in up to 10' lengths
- Multiple abrasive color options available\*



3.25" width

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



\*See details (page 123).



STAIR NOSINGS  
CAST-IN/BLOCKOUT  
TWO COMPONENT



**XH** Solid Abrasive with Fastener



**APPLICATION**

- Cast into leading edge of stairs where finished nosing requires protection during construction

**FEATURES**

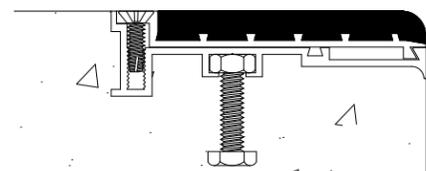
- Dual extruded aluminum components; base cast in during stair pour and finished nosing snaps into place later
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- Ships in up to 10' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



3.25" width



STAIR NOSINGS  
CAST-IN/BLOCKOUT  
**ABRASIVE BAR**

**APPLICATION**

- Blockout in leading edge of stairs

**FEATURES**

- Proprietary, slip-resistant epoxy abrasive
- Adhered to surface; no mechanical fasteners needed
- Flexible
- Ideal for marble and stone conditions
- Ships in up to 4' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**AB** Block Strip



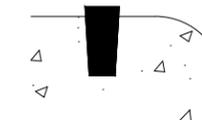
Available in 1", 2" and 3" widths

**ANB** Bullnose Strip



Available in 1", 2" and 3" widths

**AS** Angled Strip



Available in 1/4," 3/8" and 1/2" widths

\*See details (page 123).

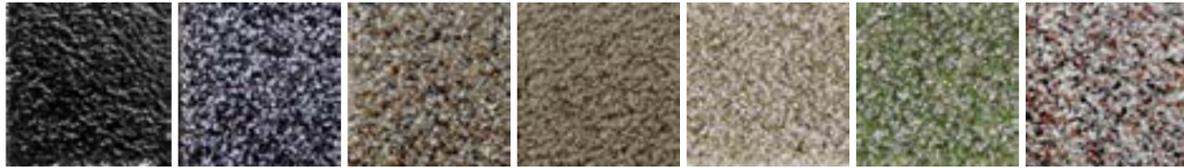
\*See details (page 123).



# STAIR NOSINGS DETAILS

## ABRASIVE COLOR OPTIONS

Proprietary, two-part formula of epoxy and aluminum oxide abrasive.



Black    Black Rain    Brown Bark    Canyon Tan    Gravel Gray    Pineland Green    Rare Earth



Red Stone    Silver Gray    Twilight Blue    Yellow

## METAL FINISH OPTIONS

### STANDARD

### ANODIZED

Subject to additional charges and extended lead times.



Mill Aluminum    Clear    Champagne    Light Bronze    Medium Bronze    Dark Bronze    Black

## ANCHOR/FASTENER OPTIONS

### Type 1

Cast-in



### Type 5

Wood



### Type 6

Ball Anchor



\*\*Available as continuous

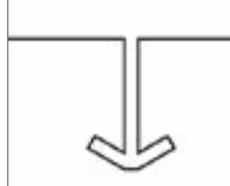
### Type 7

Concrete Anchor



### Extruded

(P & R-315 Series only)



Color chart is for reference only. Contact factory for physical samples, as colors may vary. See IllumiTread™ Egress section for additional Stair Nosings.

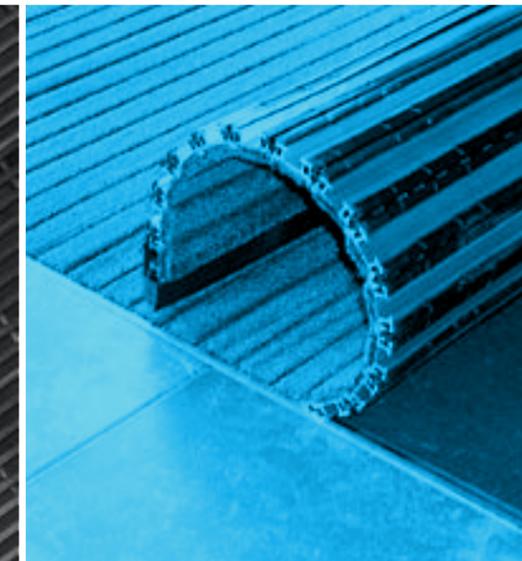
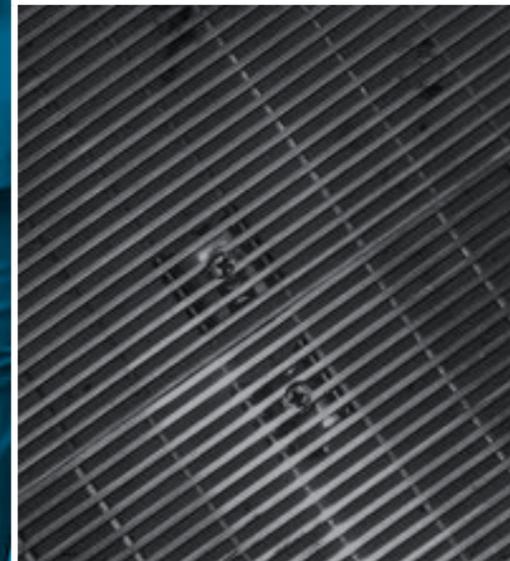


# MATS & GRIDS



Balco mats and grids protect the entrances of buildings by capturing dirt and moisture from foot traffic and allowing it to collect below the surface. Floors stay cleaner longer, prolonging the life of the floor finishes throughout the

building. They are slip-resistant, reducing the risk of injury from slips and falls. The versatility of our mats and grids allow for flexibility in designing the perfect size, shape and look to fit every project requirement.





MATS & GRIDS  
ENTRANCE FLOOR MATS  
**SURFACE ROLL-UP MATS**

**APPLICATION**

- Surface mounted entrance floor

**FEATURES**

- Easy to install
- Rolls up for easy-access sub-surface cleaning and maintenance
- Custom sizes & shapes available
- Multiple metal finishes available\*
- Multiple carpet & abrasive color options available\*
- 3/8" depth (excluding anchors)

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**LOAD**

Pedestrian

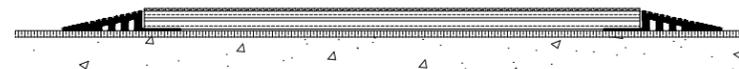
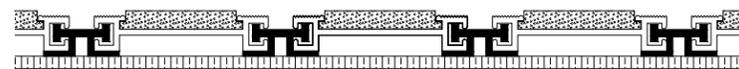
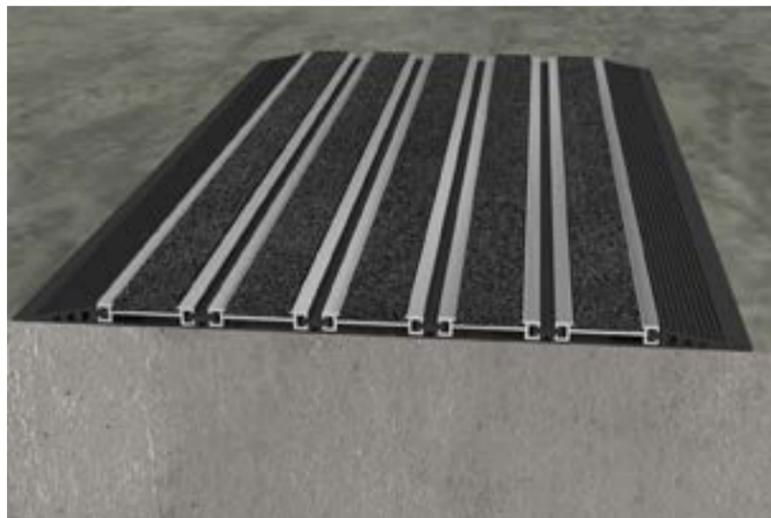


**ROLLING LOAD**

1000 passes at 400lbs

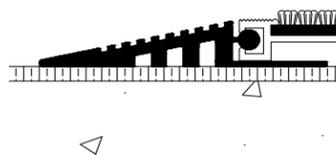


**FMS-A Abrasive Tread, Vinyl Hinge**

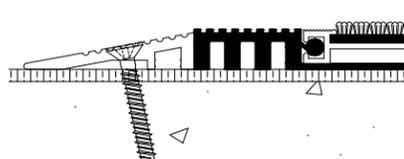


**FRAME & ANCHOR OPTIONS**

Tapered Vinyl (Standard)



Tapered Aluminum

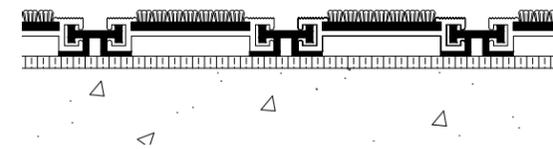


\*See details (pages 139-140).



MATS & GRIDS  
ENTRANCE FLOOR MATS  
**SURFACE ROLL-UP MATS**

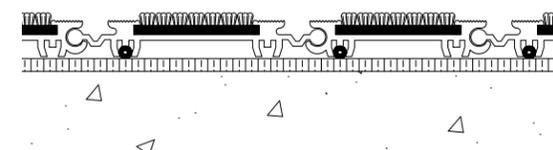
**FMS-C Carpet Tread, Vinyl Hinge**



**FMS-D Designer Style Tread, Vinyl Hinge**



**FM2S-C Carpet Tread, Aluminum Hinge**



\*See details (pages 139-140).





MATS & GRIDS  
ENTRANCE FLOOR MATS  
**RECESSED ROLL-UP MATS**

**APPLICATION**

- Recessed entrance floor

**FEATURES**

- Easy to install
- Rolls up for easy-access sub-surface cleaning and maintenance
- Custom sizes & shapes available
- Multiple metal finishes available\*
- Multiple carpet & abrasive color options available\*
- 7/8" depth (excluding anchors)

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**LOAD**

Pedestrian

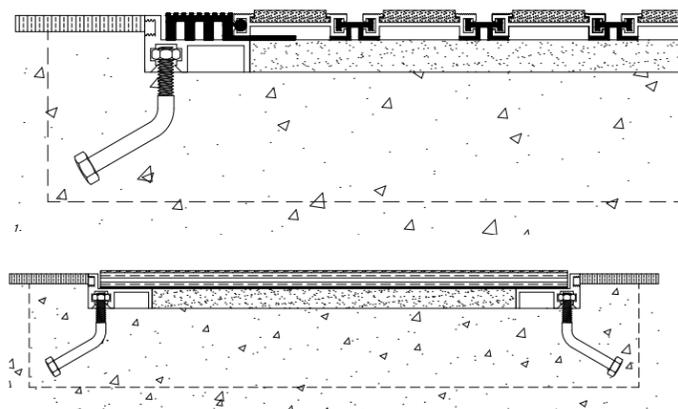
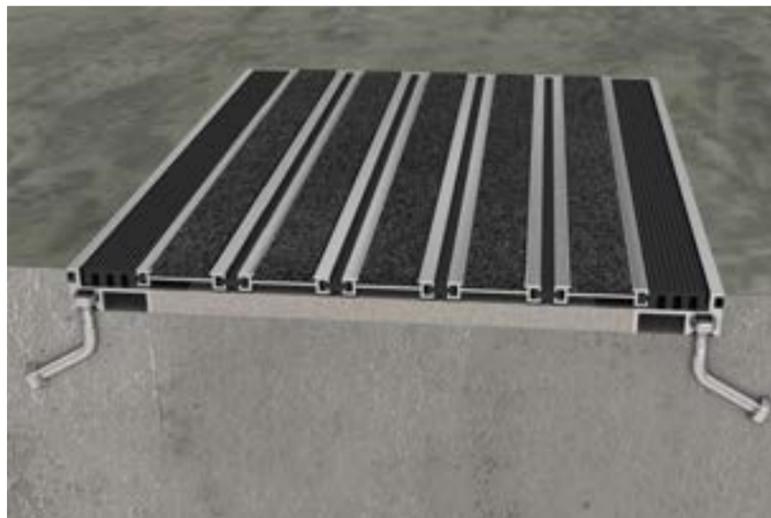


**ROLLING LOAD**

1000 passes at 400lbs

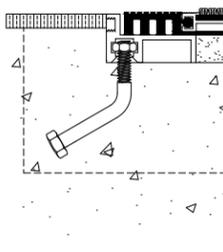


**FMR-A Abrasive Tread, Vinyl Hinge** ★

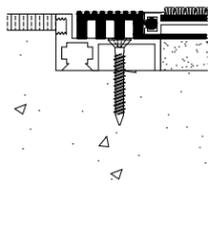


**FRAME & ANCHOR OPTIONS**

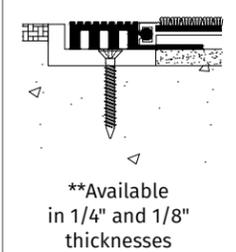
Cast-in (Standard)



Modified Blockout

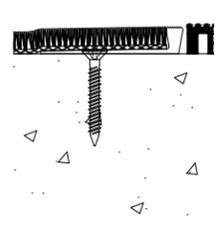


Alum. Angle Blockout

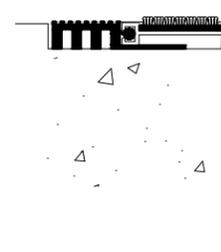


\*\*Available in 1/4" and 1/8" thicknesses

Pipe Stem Blockout



No-Frame Blockout

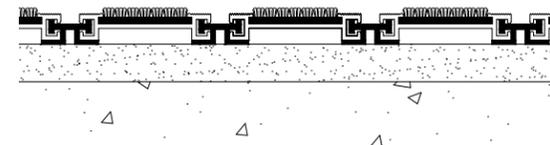


\*See details (pages 139-140).

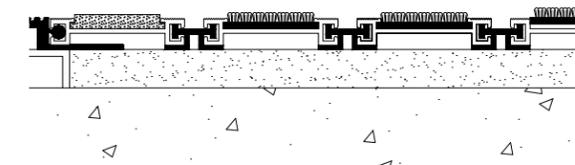


MATS & GRIDS  
ENTRANCE FLOOR MATS  
**RECESSED ROLL-UP MATS**

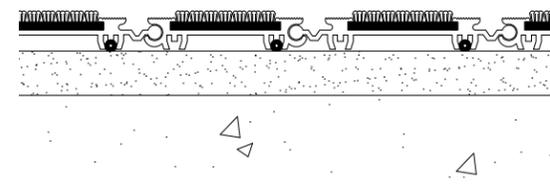
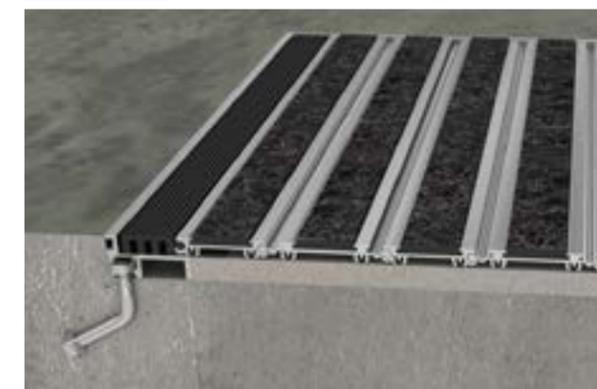
**FMR-C Carpet Tread, Vinyl Hinge** ★



**FMR-D Designer Style Tread, Vinyl Hinge** ★



**FM2R-C Carpet Tread, Aluminum Hinge** ★



\*See details (pages 139-140).



MATS & GRIDS  
ENTRANCE FLOOR GRIDS  
**SHALLOW PIT GRIDS**

**APPLICATION**

- Recessed entrance floor, high-volume debris collection

**FEATURES**

- Rigid aluminum support
- Lifts up for easy-access sub-surface cleaning and maintenance
- Custom sizes & shapes available; most ideal for custom shapes
- Multiple metal finishes available\*
- Multiple carpet & abrasive color options available\*
- 1 5/8" depth (excluding anchors)

**PERFORMANCE**

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**LOAD**

Pedestrian

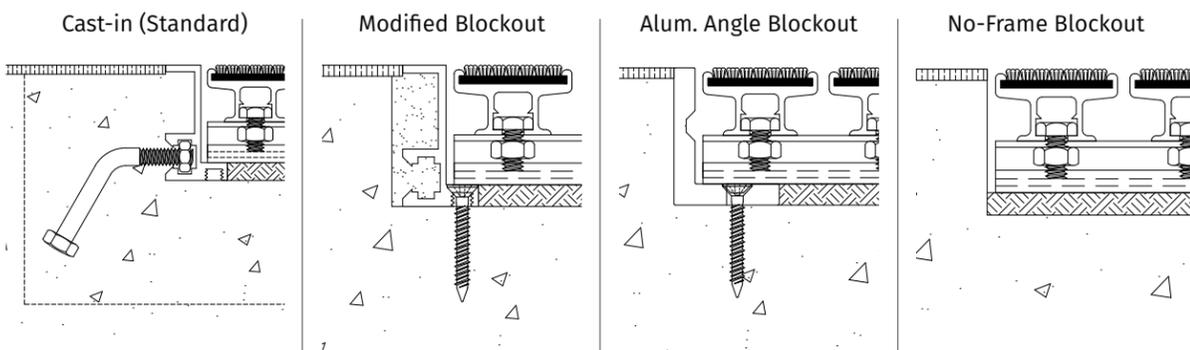


**ROLLING LOAD**

1000 passes at 600lbs

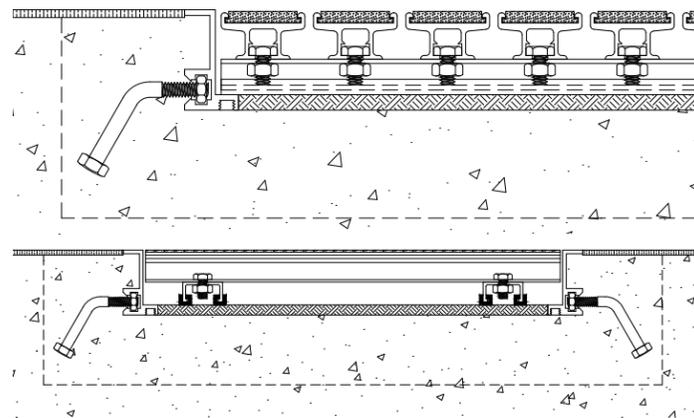
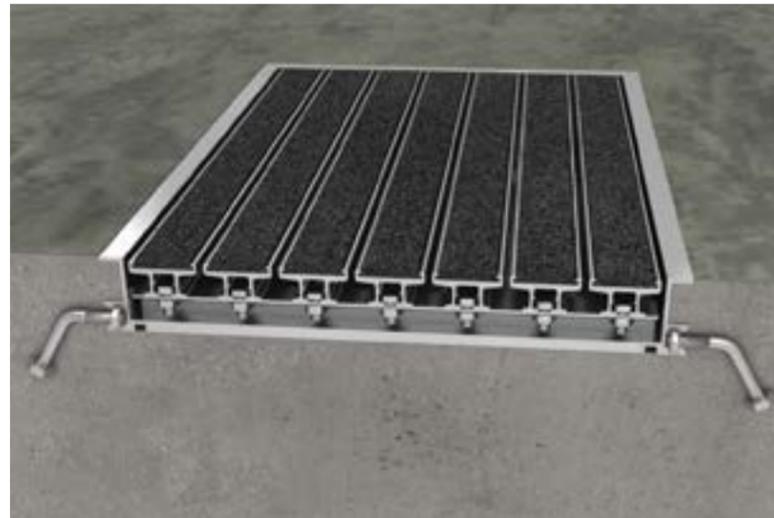


**FRAME & ANCHOR OPTIONS**



\*See details (pages 139-140).

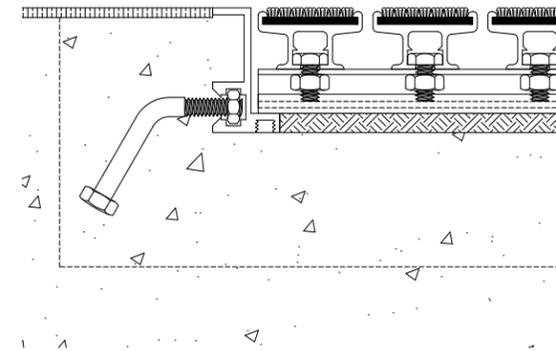
**FG1-A Abrasive Tread**



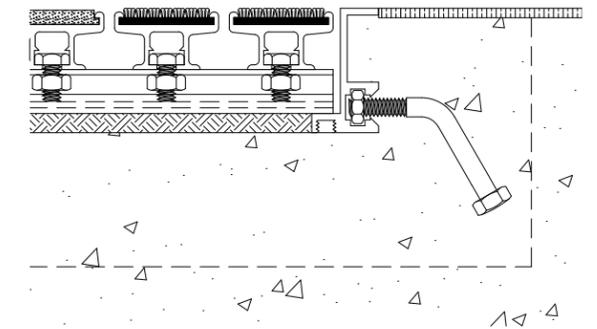
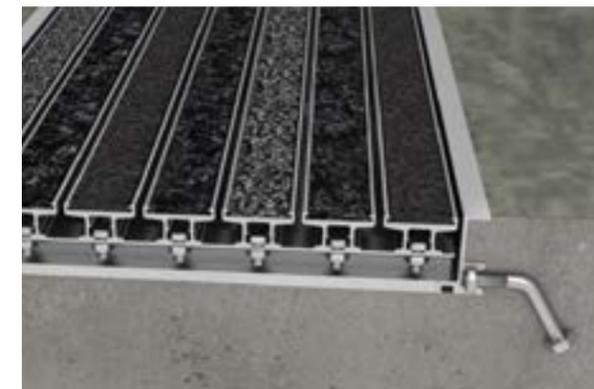
MATS & GRIDS  
ENTRANCE FLOOR GRIDS  
**SHALLOW PIT GRIDS**



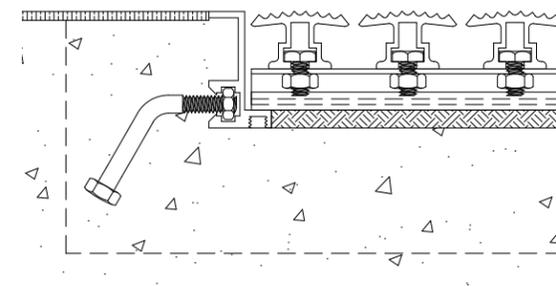
**FG1-C Carpet Tread**



**FG1-D Designer Style Tread**



**FG1-S Serrated Aluminum Tread**



\*See details (pages 139-140).



MATS & GRIDS  
ENTRANCE FLOOR GRIDS  
**DEEP PIT GRIDS**

**APPLICATION**

- Recessed entrance floor, high-volume debris collection

**FEATURES**

- Rigid aluminum support
- Lifts up for easy-access sub-surface cleaning and maintenance
- Custom sizes & shapes available
- Sub-surface pan option available (in various materials)\*
- Multiple metal finishes available\*
- Multiple carpet & abrasive color options available\*
- 3 5/16" depth (excluding anchors)

**PERFORMANCE**

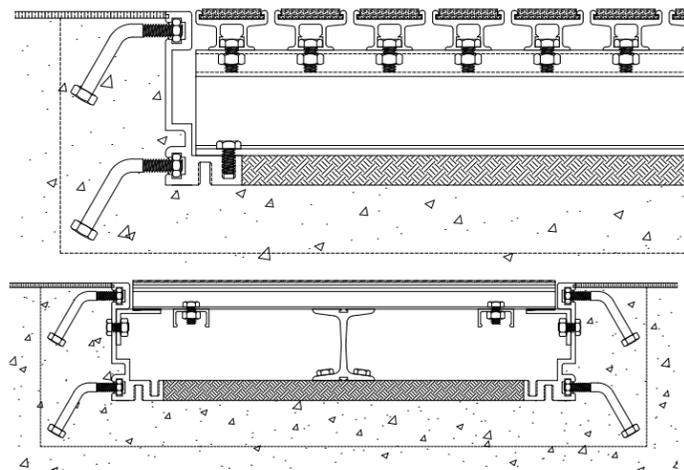
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

**LOAD**

Pedestrian

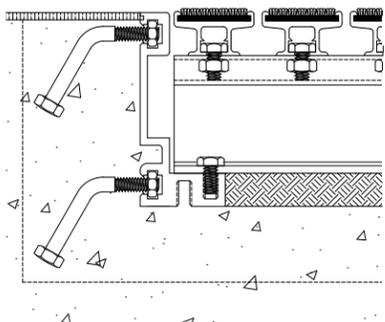


**FGDP-A Abrasive Tread**

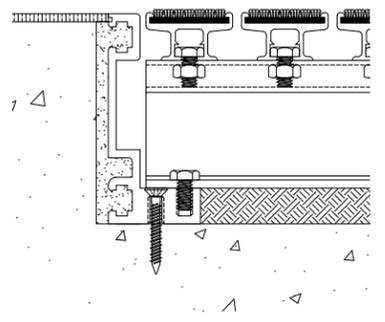


**FRAME & ANCHOR OPTIONS**

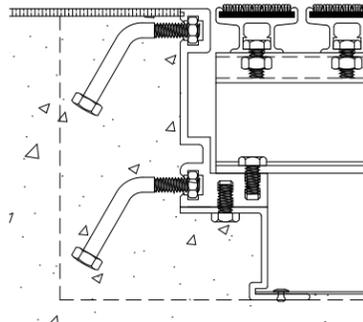
Cast-in (Standard)



Modified Blockout



Cast-in with Pan\*

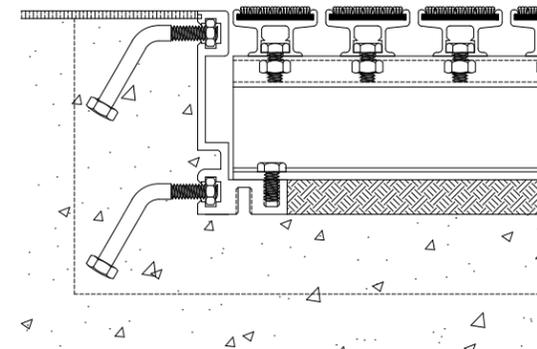


\*See details (pages 139-140).

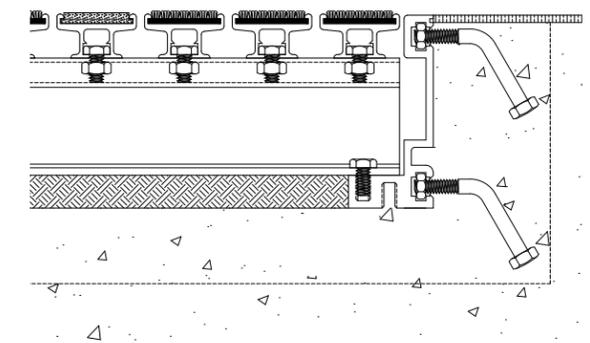


MATS & GRIDS  
ENTRANCE FLOOR GRIDS  
**DEEP PIT GRIDS**

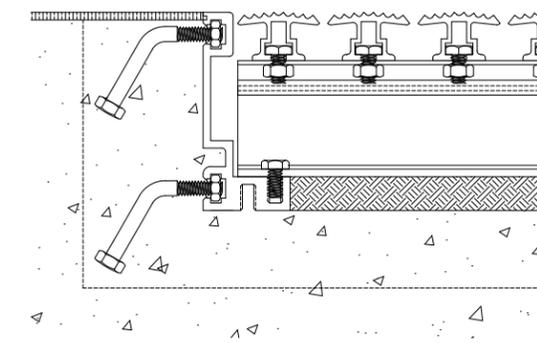
**FGDP-C Carpet Tread**



**FGDP-D Designer Style Tread**



**FGDP-S Serrated Aluminum Tread**



\*See details (pages 139-140).



MATS & GRIDS

MATS & GRIDS



# HEAVY DUTY LOW PROFILE GRIDS

## APPLICATION

- Recessed entrance floor

## FEATURES

- Vinyl Hinge
- Rolls up for easy-access sub-surface cleaning and maintenance
- Custom sizes & shapes available
- Multiple metal finishes available\*
- Multiple carpet & abrasive color options available\*
- 1" depth (excluding anchors)

## PERFORMANCE

- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

## LOAD

Pedestrian

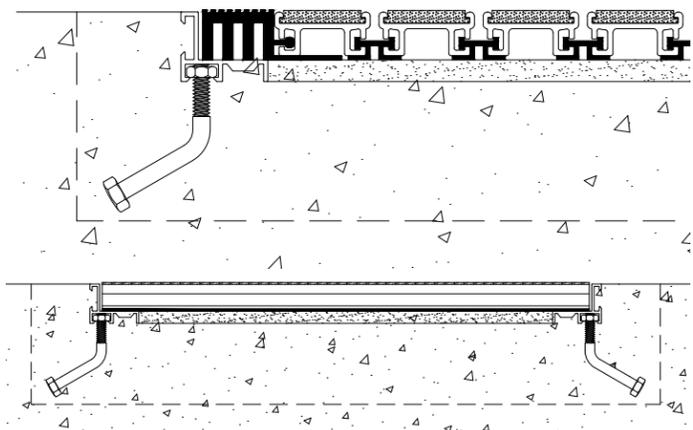
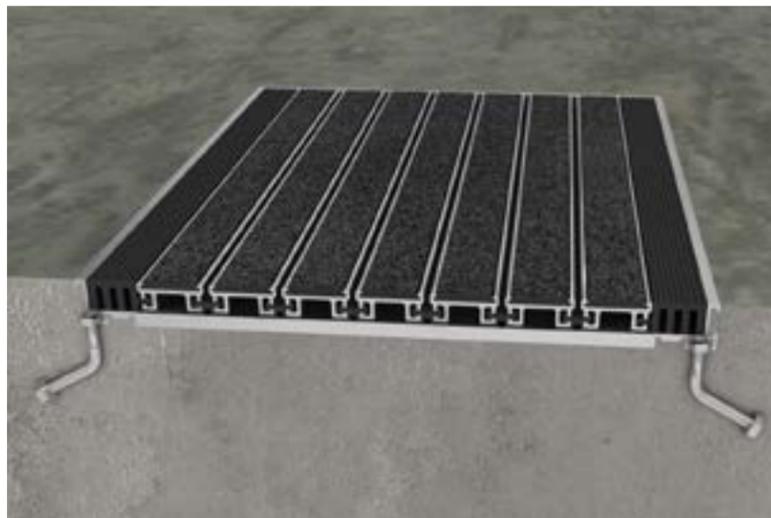


## ROLLING LOAD

1000 passes at 1500lbs

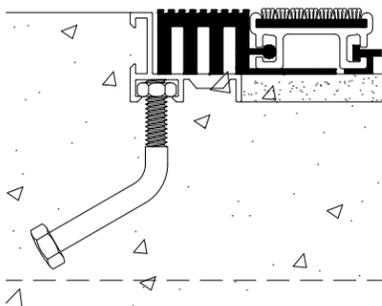


### FGLP-A Abrasive Tread

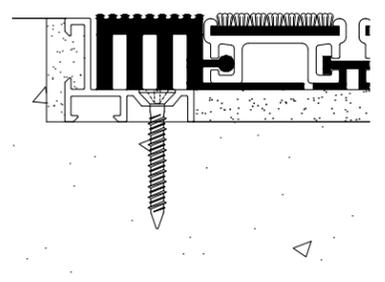


## FRAME & ANCHOR OPTIONS

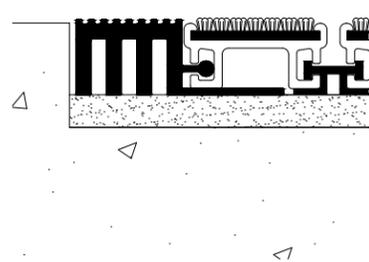
Cast-in (Standard)



Modified Blockout



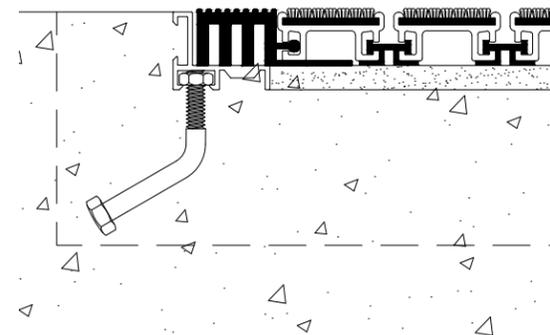
No Frame Blockout



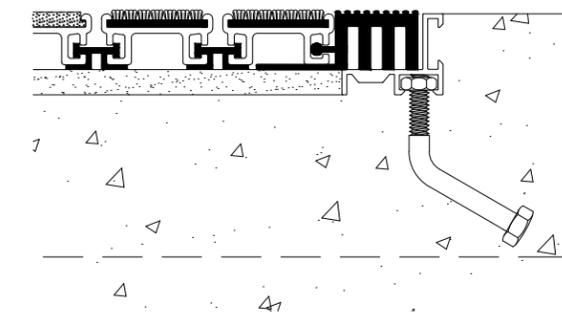
\*See details (pages 139-140).



### FGLP-C Carpet Tread



### FGLP-D Designer Style Tread



\*See details (pages 139-140).



MATS & GRIDS  
ENTRANCE FLOOR GRIDS

# STAINLESS STEEL ULTRAGRID™

## APPLICATION

- Recessed entrance floor

SSMR

Stainless Steel

## FEATURES

- Rigid stainless steel finish
- Easy Installation
- Lifts up for easy-access sub-surface cleaning and maintenance
- Available in 5/8" and 1 1/8" depths
- Custom sizes & shapes available

## PERFORMANCE

- Contributes to LEED® credits

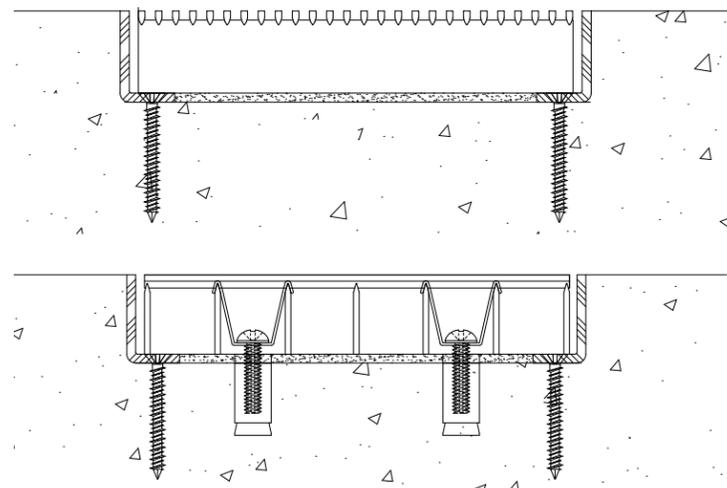
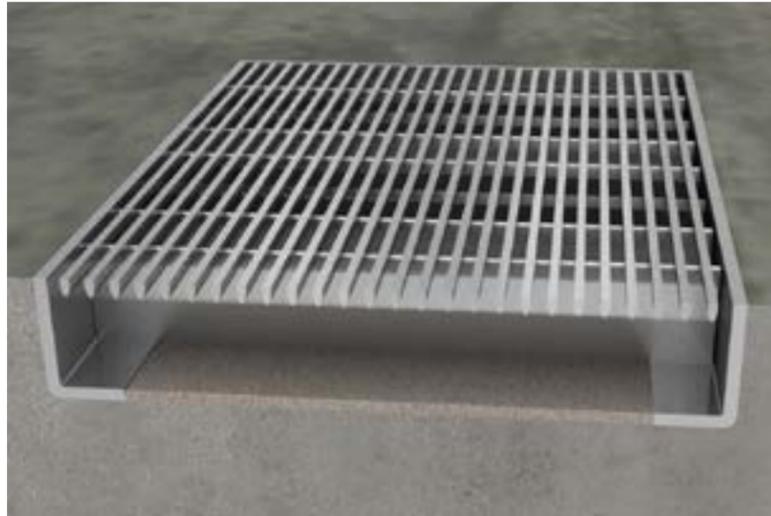
## LOAD

Pedestrian



## ROLLING LOAD

2000 passes at 500lbs



SSMR UltraGrid™ installed at the  
National Oceanic Atmospheric Administration (NOAA)  
headquarters in Silver Spring, MD



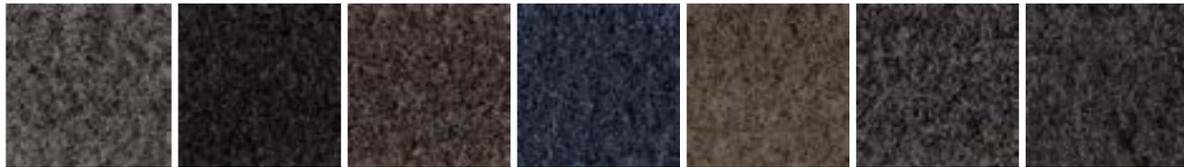


## MATS & GRIDS DETAILS

### CARPET COLOR OPTIONS

#### STANDARD

Made of nylon yarn with polypropylene backing.



Ash      Black Granite      Burnt Sierra      Denim      Fawn      Graphite      Gunmetal

#### HEAVY DUTY

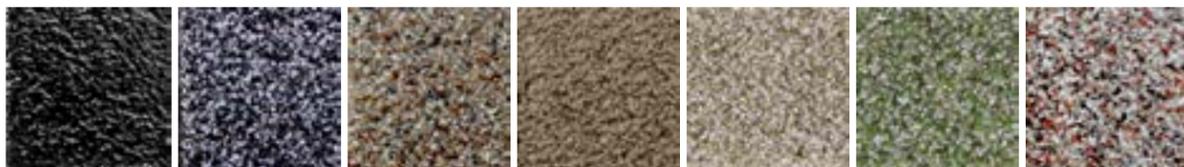
Made from polypropylene yarn with polypropylene backing. Subject to upcharge.



Blackout      Black Onyx      Blue Sapphire      Coffee Bean      Gray Quartz      Imperial Topaz

### ABRASIVE COLOR OPTIONS

Proprietary, two-part formula of epoxy and aluminum oxide abrasive.



Black      Black Rain      Brown Bark      Canyon Tan      Gravel Gray      Pineland Green      Rare Earth



Red Stone      Silver Gray      Twilight Blue      Yellow

Color chart is for reference only. Contact factory for physical samples, as colors may vary.



## MATS & GRIDS DETAILS



### METAL FINISH OPTIONS

#### STANDARD

#### ANODIZED

Subject to additional charges and extended lead times.

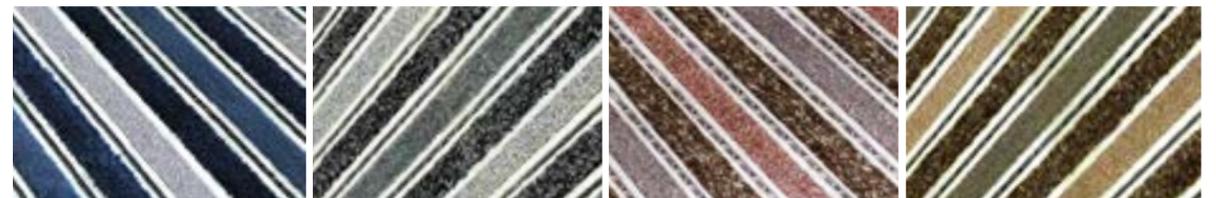


Mill Aluminum      Clear      Champagne      Light Bronze      Medium Bronze      Dark Bronze      Black

### DESIGNER STYLE PATTERNS

Repeating pattern of alternating tread rails of abrasive, standard carpet and heavy duty carpet

#### COLOR THEME OPTIONS



Blue Lagoon

Night Sky

Painted Desert

Warm Chestnut

- Rare Earth Abrasive
- Denim Standard Carpet
- Blue Sapphire Heavy Duty Carpet
- Black Hinge
- Black Perimeter Vinyl

- Black Rain Abrasive
- Graphite Standard Carpet
- Black Onyx Heavy Duty Carpet
- Black Hinge
- Black Perimeter Vinyl

- Red Stone Abrasive
- Burnt Sierra Standard Carpet
- Coffee Bean Heavy Duty Carpet
- Bronze Hinge
- Bronze Perimeter Vinyl

- Rare Earth Abrasive
- Fawn Standard Carpet
- Coffee Bean Heavy Duty Carpet
- Bronze Hinge
- Bronze Perimeter Vinyl

### PAN MATERIAL OPTIONS DEEP PIT GRID (FGDP SERIES) ONLY

#### STANDARD

#### OTHER

Subject to additional charges and extended lead times.



Galvanized Steel

Aluminum

Stainless Steel

Color chart is for reference only. Contact factory for physical samples, as colors may vary.



MATS & GRIDS

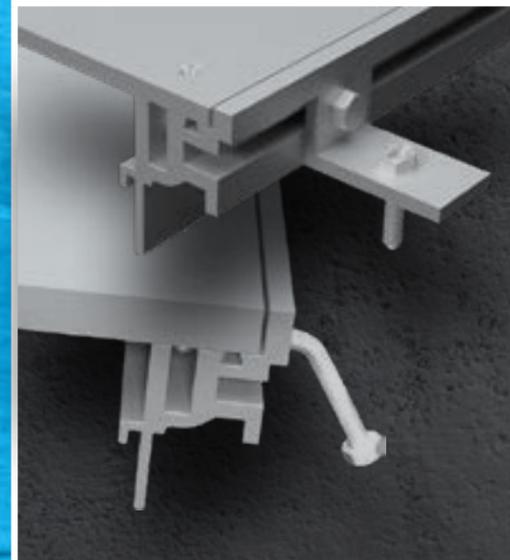
MATS & GRIDS



# TRENCH & ACCESS



Balco trench and access covers provide easy entry into sub-floor utilities without disrupting surrounding flooring. Covers are economical, attractive, and come with multiple finish options. Units are preassembled and customized to fit the needs of any project.



# TRENCH & ACCESS TRENCH COVERS

## APPLICATION

- Cast-in or blockout, linear floor cover with minimal disruption to finished floor for quick access to sub-floor utilities

## FEATURES

- Aluminum extrusions & plate
- Multiple surface options available: abrasive (TSA), diamond plate (TSD), smooth plate (TSP), & tile recessed (TST)
- Liner options available\*
- Proprietary, slip-resistant epoxy abrasive (TSA only)
- Multiple abrasive color options available\* (TSA only)
- Provided in fully-assembled, modular units specific to your project layout

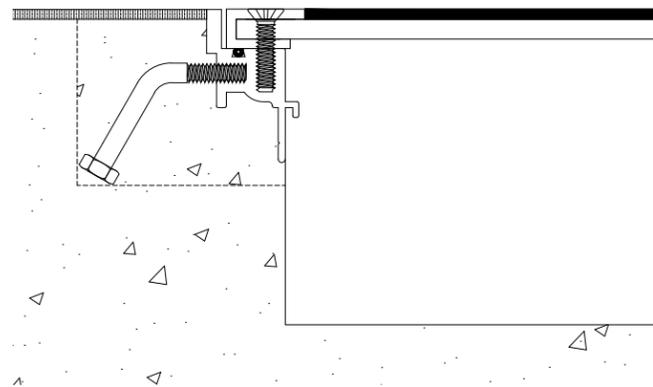
## PERFORMANCE

- Abrasive meets ADA guidelines for slip resistance
- Contributes to LEED® credits

## SIZES

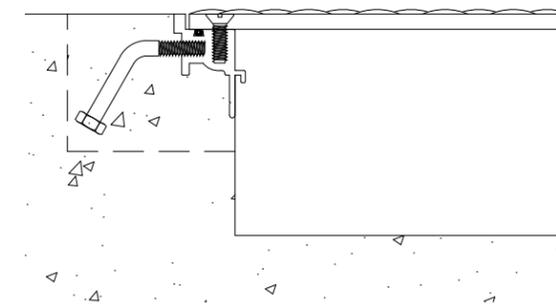
4-36"

### TSA Abrasive Infill Plate

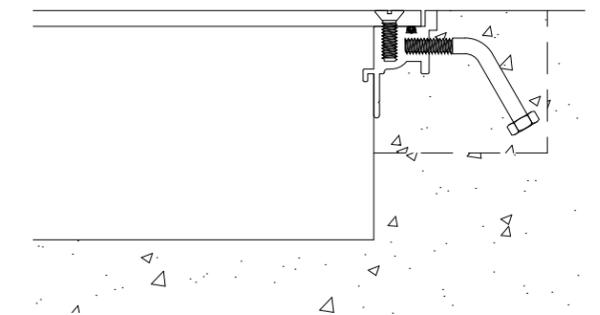


## TRENCH & ACCESS TRENCH COVERS

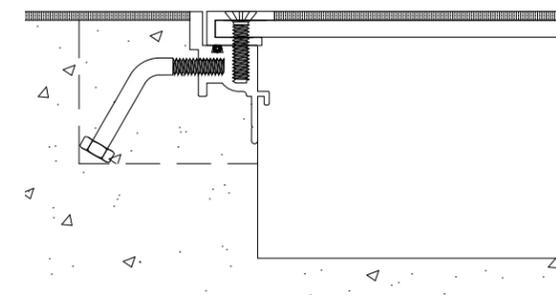
### TSD Diamond Plate



### TSP Smooth Plate



### TST Tile Recessed Plate



\*See details (page 147).

# TRENCH & ACCESS ACCESS COVERS

## APPLICATION

- Cast-in or blockout, access floor cover with minimal disruption to finished floor for quick access to sub-floor utilities

## FEATURES

- Aluminum extrusions & plate
- Multiple surface options available: abrasive (ACA), diamond plate (ACD), smooth plate (ACP), & tile recessed (ACT)
- Liner options available\*
- Proprietary, slip-resistant epoxy abrasive (ACA only)
- Multiple abrasive color options available\* (ACA only)

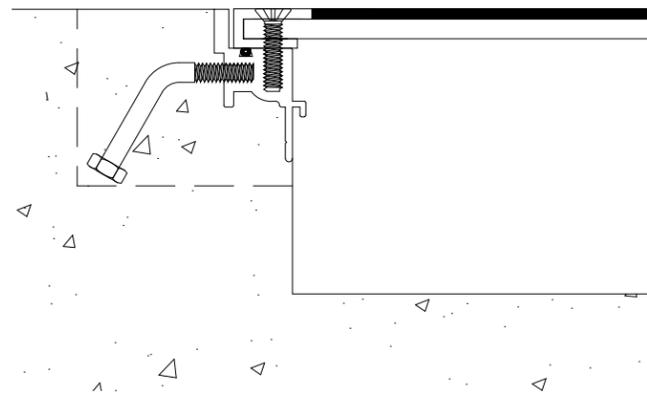
## PERFORMANCE

- Abrasive meets ADA guidelines for slip resistance
- Contributes to LEED® credits

## SIZES

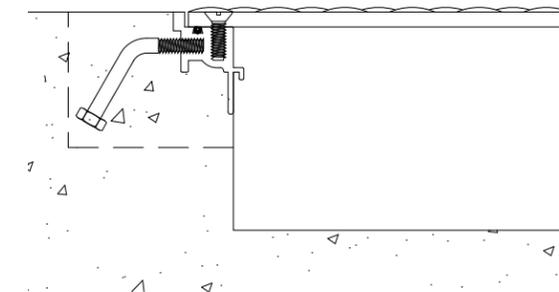
8-24"

### ACA Abrasive Infill Plate

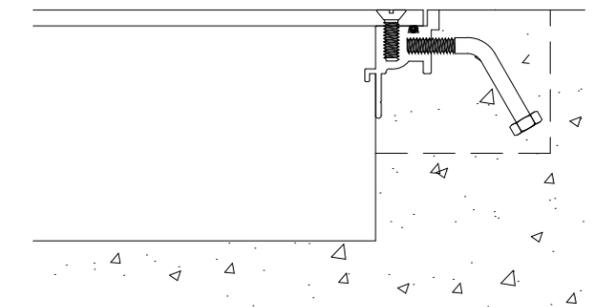


# TRENCH & ACCESS ACCESS COVERS

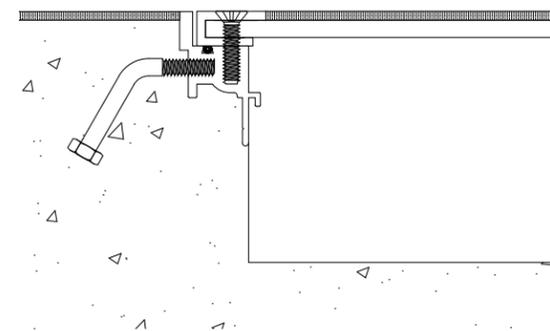
### ACD Diamond Plate



### ACP Smooth Plate



### ACT Tile Recessed Plate



\*See details (page 147).

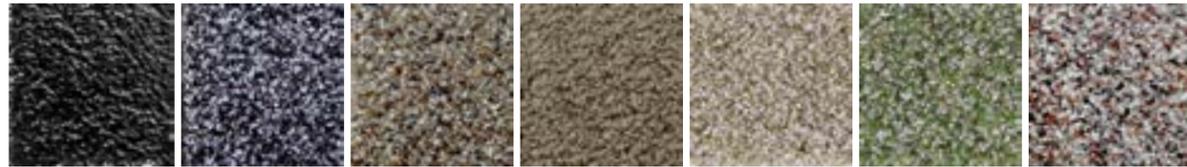


# TRENCH & ACCESS DETAILS

## ABRASIVE COLOR OPTIONS

### STANDARD

Proprietary, two-part formula of epoxy and aluminum oxide abrasive.



Black      Black Rain      Brown Bark      Canyon Tan      Gravel Gray      Pineland Green      Rare Earth



Red Stone      Silver Gray      Twilight Blue      Yellow

## LINER MATERIAL OPTIONS

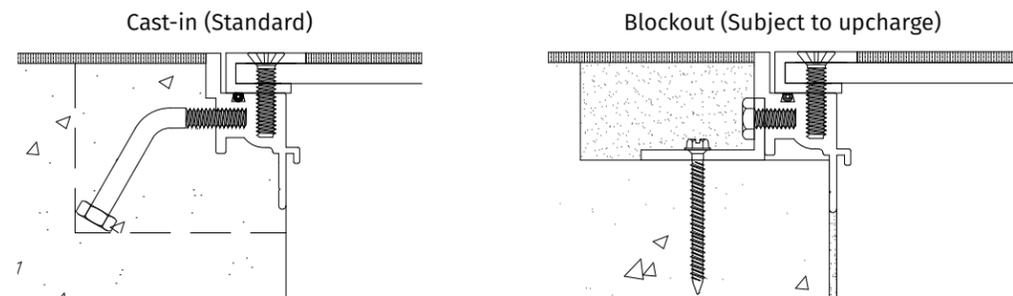
### STANDARD      OTHER

Subject to additional charges and extended lead times.



Galvanized Steel      Aluminum      Stainless Steel

## FRAME & ANCHOR OPTIONS



Color chart is for reference only. Contact factory for physical samples, as colors may vary.



Trench covers with abrasive infill (TSA) installed at TEXRail Stations circa Dallas/Fort Worth, TX

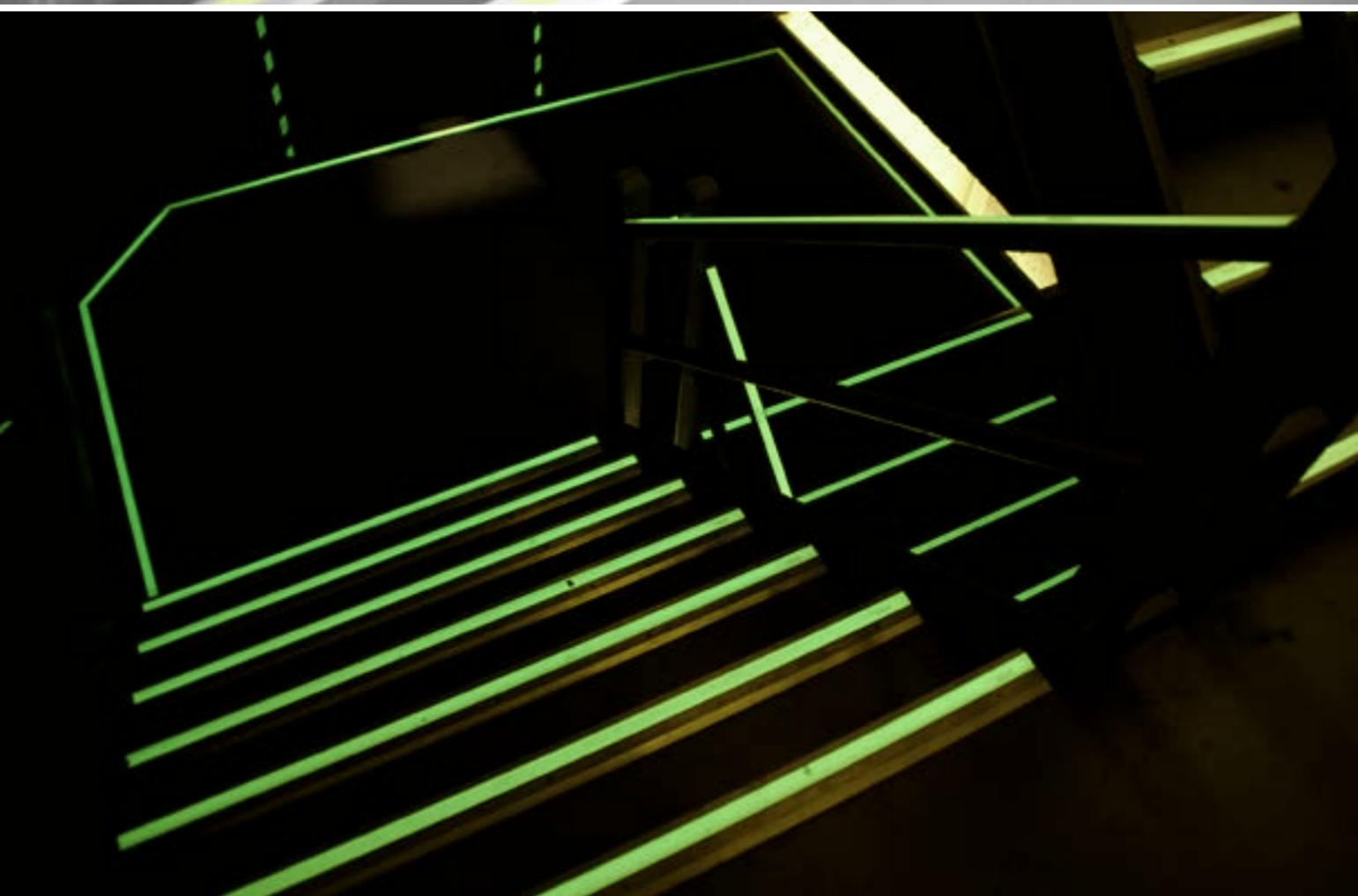


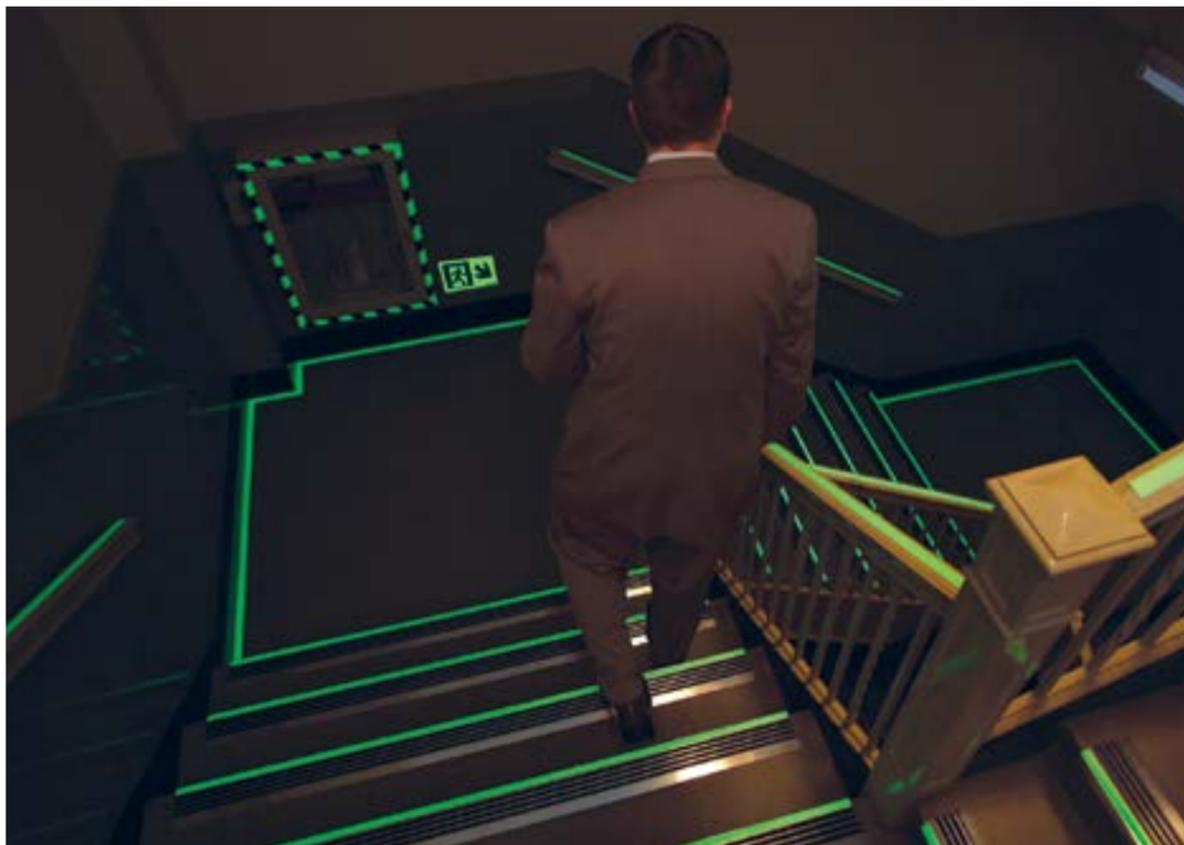
# ILLUMITREAD™ EGRESS



Balco photoluminescent egress products create an intuitive path for emergency escape from high rises, stadiums, arenas, medical facilities, hotels, multi-story buildings, parking garages and other commercial

buildings. Illumitread™ egress markings are non-electric, non-radioactive, IBC-compliant systems that provide a "glow-in-the-dark" illuminated route during loss of power by way of stored natural or ambient light.





## LIGHTING THE WAY

Prior to the 1990s, Photoluminescent (PL) material, or light-charged “glow-in-the-dark” pigment, was more of a novelty and not considered bright or long-lasting enough for functional purposes. It was the culmination of calamity and emerging photoluminescent technology that opened new discussions regarding the possibilities of PL egress markings.

At that time, emergency electrical lighting was thought of as sufficient for providing lighting and exit strategies during catastrophes. However, the 1993 World Trade Center bombing provided a sobering indication that this was not the case when the building’s emergency lighting system was damaged, which impeded the egress of occupants. It became clear that egress routes needed to be designated with markings that did not rely on external power sources. Around this

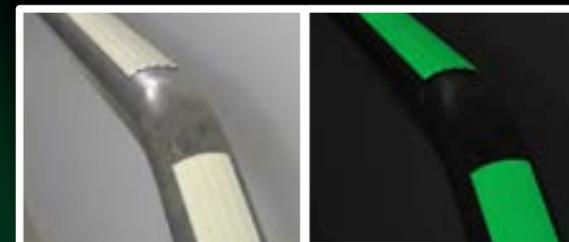
same time, significant advancements were made in PL technology enabling it to provide a much longer lasting afterglow. Consequently, the World Trade Center was one of the first facilities to have it installed in the late 1990’s.

In 2001, the 9/11 World Trade Center attack put the PL system to the real test. Survivors listed the PL markings as one of the top 3 things that helped them exit the building safely. It was 9/11 that helped initiate a number of code requirements for PL markings, such as the International Code Council’s (ICC) adoption of a PL pathway marking in a variety of building types as part of its 2009 IBC.

Modern PL products use the patented phosphorescent chemical, strontium aluminate oxide. It is 10 times brighter and last 10 times

longer than its predecessor, copper-activated zinc sulfide, which was the convention of PL 25 years ago. The PL pigments consist of crystals that charge by storing light photons when exposed to natural or artificial light. Once charged, the energy stored in the crystals will slowly exhaust until it is completely depleted. This slow release allows products using the pigment to emit light for extended periods of time – much longer than earlier technology. The material is continually recharged by exposing it to a light source, such as sunlight, fluorescent, incandescent and LED.

Egress products that rely on this cutting-edge PL pigmentation instantaneously glow bright enough during a power outage for effective and expedited safe emergency egress from high-rise buildings while simultaneously providing safe navigation for first responders like firefighters, law enforcement and medical personnel. These products eliminate the risk involved when relying upon emergency electrical lighting systems that could lose their link to the emergency power supply similar to the 1993 incident with the World Trade Center. Therefore, PL products are now considered critical components in an effective egress system.



In 2005, Balco, Inc. launched a new, industry-leading product line called “IllumiTread™”. Born from extensive research and rigorous testing, Balco developed a line of products that had long-term endurance, would comply with all building codes and would also stand up to numerous performance criteria standards (for ASTM, UL, NIST, NFPA and more). Balco products have been at the forefront of PL use for safety.

Since that time, many code-compliant and test-standard-certified products have entered the market, providing luminescent markings on a wide range of mediums ranging from thin tape/films to extruded plastic or aluminum. Consequently, specifiers and contractors have

very important decisions to make, specifically with regards to the quality and longevity versus cost-saving opportunities. While their goal to keep the total cost of a project as low as possible is important, it can sometimes come at the expense of compromising a building’s life-safety systems.



Balco’s IllumiTread™ product line offers the best solution. Coated aluminum strips provide a much stronger, longer-lasting marking system for foot traffic applications. In contrast to adhesive films, which excel in adhesion to smooth substrates where there is little to no foot traffic, these products are either mechanically fastened or adhered in place with a viscous construction adhesive, making them suitable for installation onto a wide range of substrates. The aluminum backing provides a robust substrate for the photoluminescent material that withstands the rigors of daily use. Aluminum demarcation strips feature a smooth coating that does not actively collect dirt and is easy to wipe clean. They obtain their slip-resistance by leveraging ribs integrated into the extruded profile. Additionally, these strips can be mounted into a stair nosing which protects the stair edge and increases the slip-resistance of the stair.

Balco’s quality IllumiTread™ PL egress products are an essential facet to any building. These markings help ensure code-compliance, promote the safe egress of occupants during power loss and, most importantly, provide an overall peace of mind.





## ILLUMITREAD™ EGRESS HANDRAIL

### 4010C Aluminum Strip



#### APPLICATION

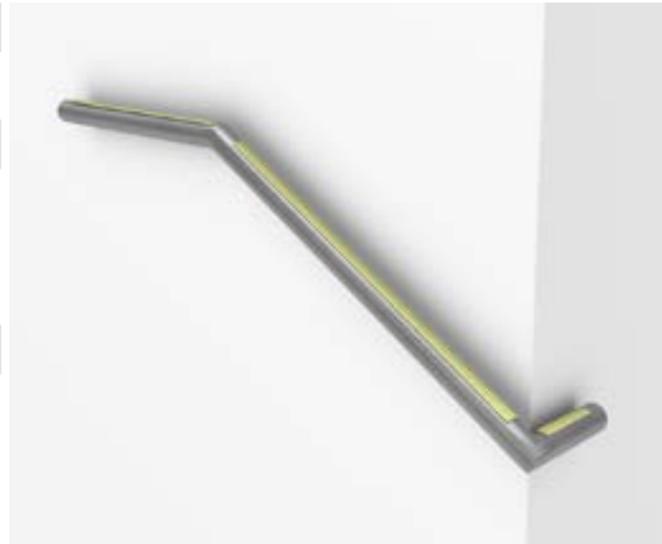
- Photoluminescent handrail demarcation

#### FEATURES

- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Ships in 10' lengths
- Higher quality and longevity than tape

#### PERFORMANCE

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648



1" width



### PLFA-100-H Tape

#### APPLICATION

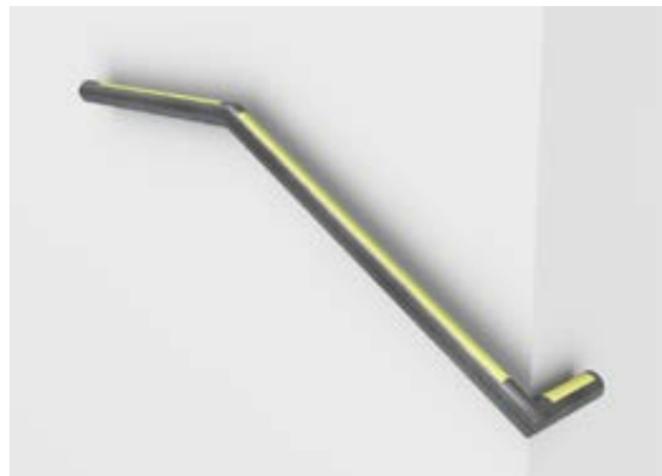
- Photoluminescent handrail demarcation tape

#### FEATURES

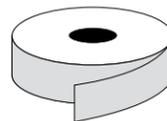
- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Easy to install self-adhesive
- Cost effective
- Ships in 100' rolls

#### PERFORMANCE

- Passes UL 1994; meets ASTM 2072, IBC/IFC 1025, NYC RS6-1, DIN 67510, ISO 15370



1" width



\*See details (page 170).



## ILLUMITREAD™ EGRESS DEMARCATATION

### 4211C Aluminum Strip



#### APPLICATION

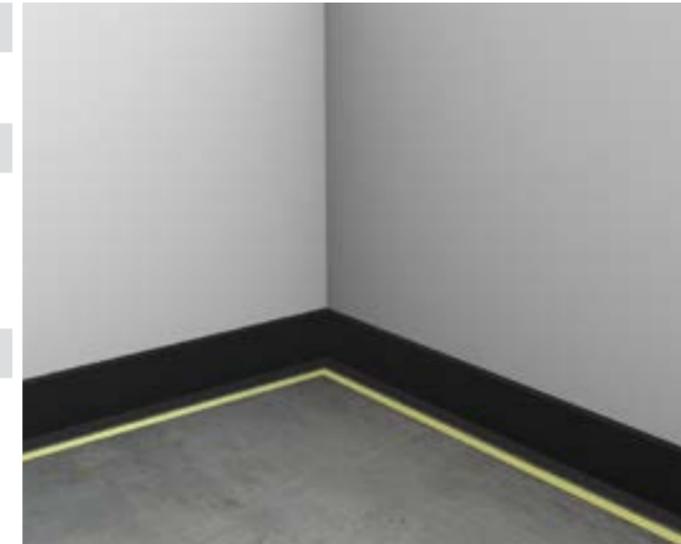
- Photoluminescent demarcation

#### FEATURES

- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Ships in 10' lengths
- Higher quality and longevity than tape

#### PERFORMANCE

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648



1" width



### PLTS-100 Threshold

#### APPLICATION

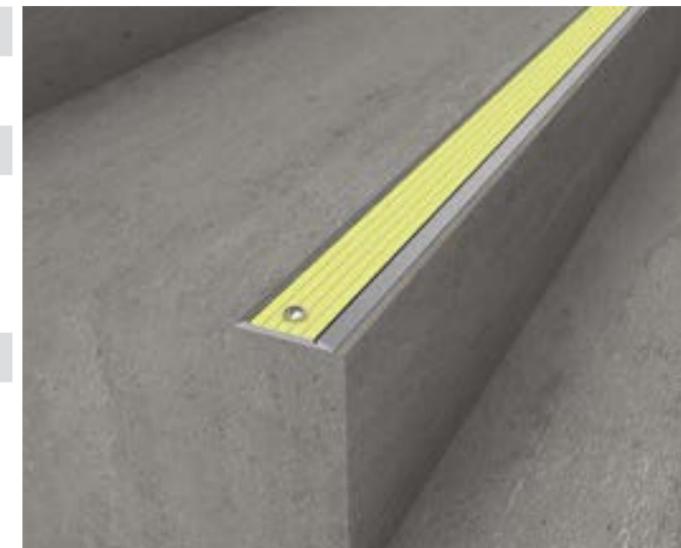
- Photoluminescent floor demarcation strip

#### FEATURES

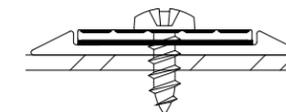
- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Ships in 10' lengths
- Higher quality and longevity than tape

#### PERFORMANCE

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648



1.5625" width



\*See details (page 170).





ILLUMITREAD™ EGRESS  
**OBSTRUCTION MARKING**

**PLFA-100-OB**

Tape

**APPLICATION**

- Photoluminescent obstruction tape (1")

**FEATURES**

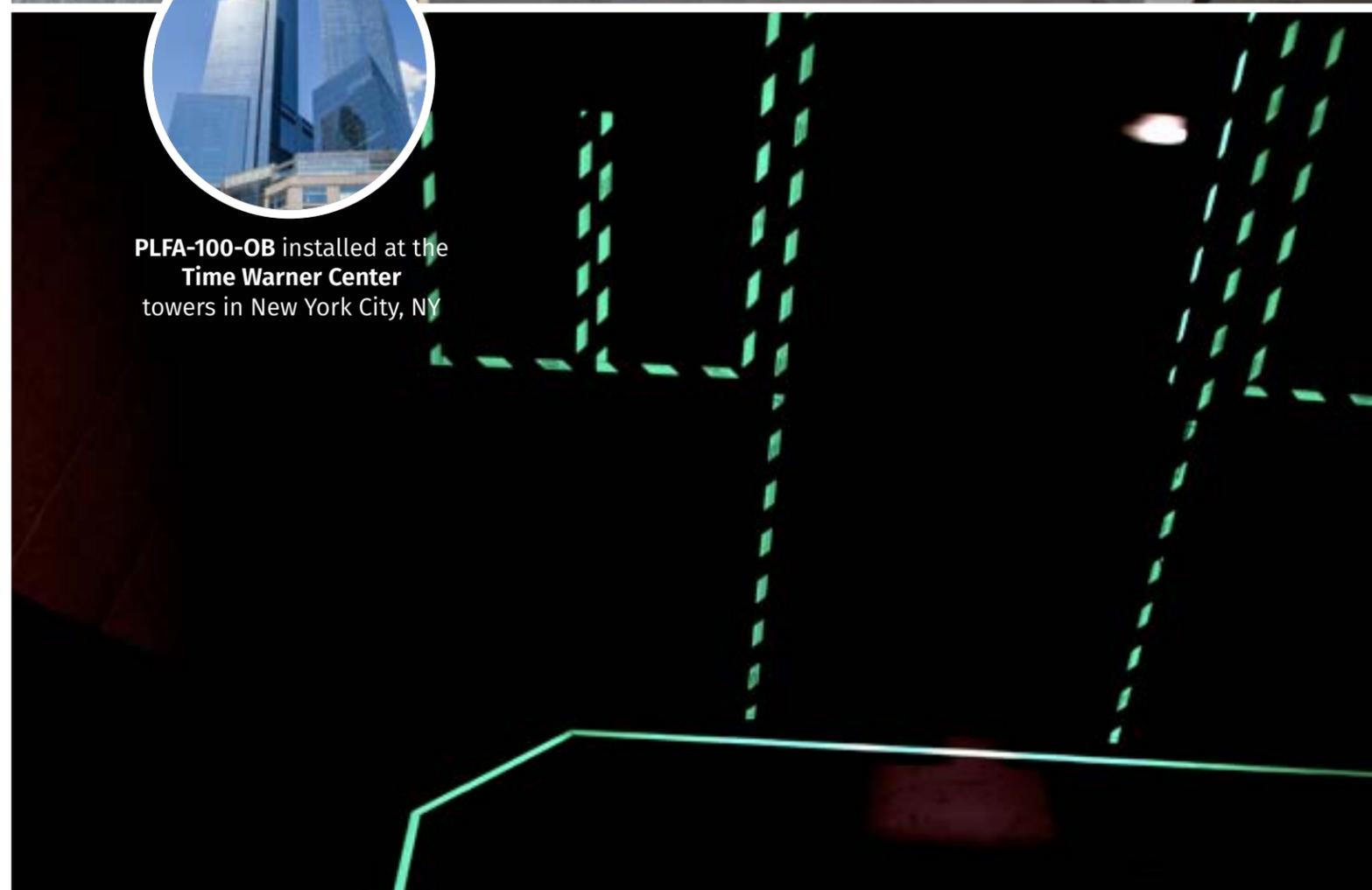
- Easy to install self adhesive
- Cost effective
- Ships in 100' rolls

**PERFORMANCE**

- Passes UL 1994; meets ASTM 2072, IBC/IFC 1025, NYC RS6-1, DIN 67510, ISO 15370



**PLFA-100-OB** installed at the  
**Time Warner Center**  
 towers in New York City, NY



\*See details (page 170).



# ILLUMITREAD™ EGRESS SIGNAGE

## APPLICATION

- Photoluminescent signage

## FEATURES

- Charges by variety of light sources (LED, fluorescent, etc.)\*
- ANSI safety green print (with exception of 1560)

## PERFORMANCE

- Passes luminance per ASTM E2072

**1500** Running Man with Exit & Arrow ↘



8" X 18"

**1501** Final Exit with Arrow ↑



10" X 14"

**1502** Exit Through Lobby with Arrow ↘



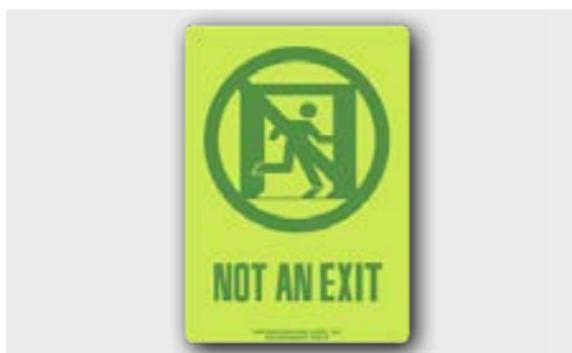
18" X 8"

**1503** Running Man with Exit ★



5.25" X 12.5"

**1504** Running Man Not an Exit ★



8.5" X 6"

\*See details (page 170).



# ILLUMITREAD™ EGRESS SIGNAGE

**1505** Running Man with Arrow →



5.25" X 9"

**1506** Running Man with Arrow ←



5.25" X 9"

**1507** Running Man with Arrow ↓



5.25" X 9"

**1508** Running Man with Arrow ↓



5.25" X 9"

**1509** Running Man with Arrow ↑



5.25" X 9"

**1510** Running Man with Arrow ↑



5.25" X 9"



ILLUMITREAD™ EGRESS  
SIGNAGE

1511 Running Man with Arrow ↗



5.25" X 9"

1512 Running Man with Arrow ↖



5.25" X 9"

1513 Running Man with Arrow ↘



5.25" X 9"

1514 Running Man with Arrow ↙



5.25" X 9"

1515 Running Man with Exit & Arrow →



9.5" X 8.5"

1516 Running Man with Exit & Arrow ←



9.5" X 8.5"

ILLUMITREAD™ EGRESS  
SIGNAGE



1517 Running Man with Exit & Arrow ↓



9.5" X 8.5"

1518 Running Man with Exit & Arrow ↓



9.5" X 8.5"

1519 Running Man with Exit & Arrow ↑



9.5" X 8.5"

1520 Running Man with Exit & Arrow ↑



9.5" X 8.5"

1521 Running Man with Exit & Arrow ↗



9.5" X 8.5"

1522 Running Man with Exit & Arrow ↖



9.5" X 8.5"



ILLUMITREAD™ EGRESS  
SIGNAGE

1523 Running Man with Exit & Arrow ↘



9.5" X 8.5"

1524 Running Man with Exit & Arrow ↙



9.5" X 8.5"

1529 Handle - Running Man w/ Arrow ←



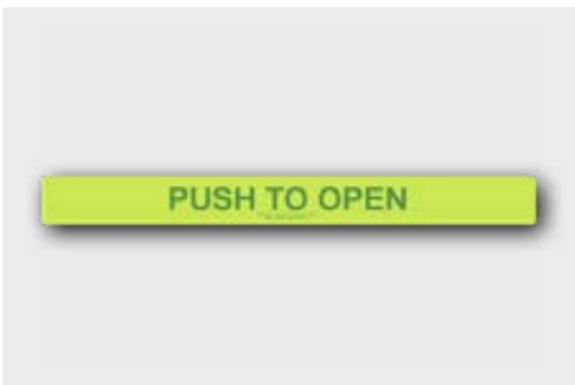
5" X 11"

1530 Handle - Running Man w/ Arrow →



5" X 11"

1531 Handle - Push to Open



22" X 2"

1532 Handle Marker



4" X 4"



ILLUMITREAD™ EGRESS  
SIGNAGE

1545 Running Man with Exit & Arrow →



5.25" X 16"

1546 Running Man with Exit & Arrow ←



5.25" X 16"

1547 Running Man with Exit & Arrow ↓



5.25" X 16"

1548 Running Man with Exit & Arrow ↓



5.25" X 16"

1549 Running Man with Exit & Arrow ↑



5.25" X 16"

1550 Running Man with Exit & Arrow ↑



5.25" X 16"



1551 Running Man with Exit & Arrow ↗



5.25" X 16"

1552 Running Man with Exit & Arrow ↖



5.25" X 16"

1553 Running Man with Exit & Arrow ←



5.25" X 16"

1554 Running Man with Exit & Arrow →



5.25" X 16"

1560 Floor Identification ★



12" X 18"

# ILLUMITREAD™ EGRESS RETROFIT STAIR NOSINGS

## APPLICATION

- Fastened to the leading edge of existing stairs

## FEATURES

- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood and concrete anchors available
- ★ Adhesive-only installation option available
- Ships in max of 10' lengths
- Multiple abrasive color options available\*

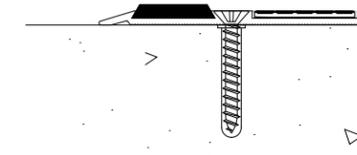
## PERFORMANCE

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

4120 Surface Mount 1" PL Strip ★



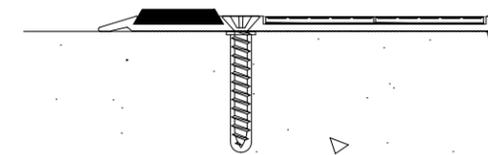
2.75" width



8120 Surface Mount 2" PL Strip



3.8125" width



\*See details (page 170).



ILLUMITREAD™ EGRESS  
RETROFIT STAIR NOSINGS



**RS-405-PL-100**

**Ribbed Abrasive**

**APPLICATION**

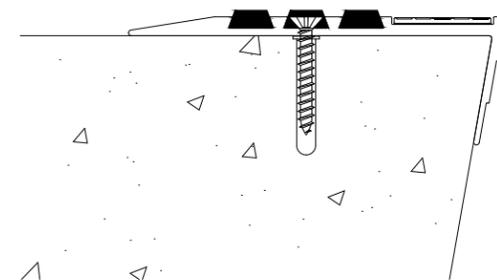
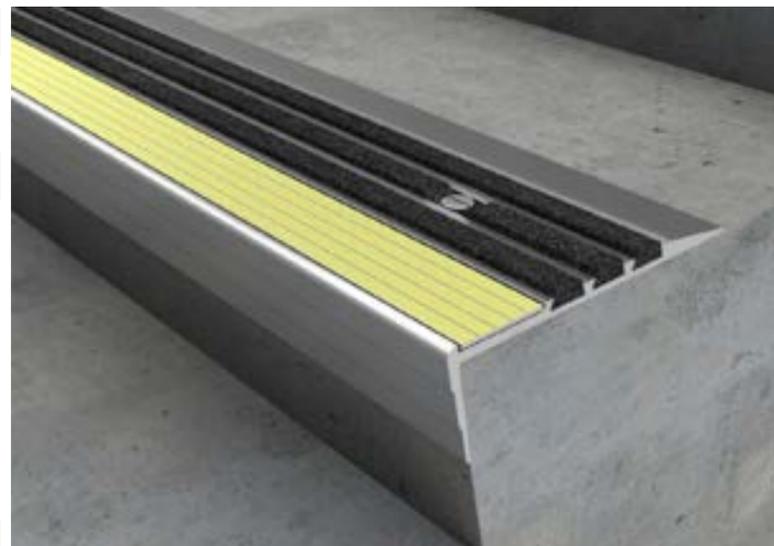
- Fastened to the leading edge of existing stairs

**FEATURES**

- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood and concrete anchors available
- Ships in max of 10' lengths
- Multiple abrasive color options available\*

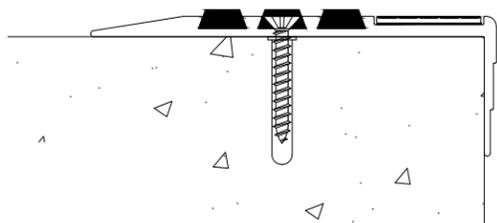
**PERFORMANCE**

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



**RS-405LP-PL-100**

4" width  
80-degree nose



**RS-405L-PL-100**

4" width  
90-degree nose

\*See details (page 170).



ILLUMITREAD™ EGRESS  
**CAST-IN/BLOCKOUT STAIR NOSG.**

**DXH-330-PL-100**

**Two Component**

**APPLICATION**

- Cast into leading edge of stairs where finished nosing requires protection during construction

**FEATURES**

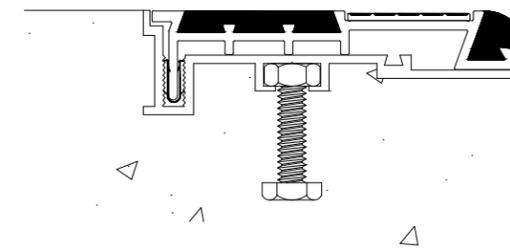
- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Dual extruded aluminum components
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- No exposed fasteners
- Ships in max of 10' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



3.25" width



\*See details (page 170).





ILLUMITREAD™ EGRESS  
CAST-IN/BLOCKOUT STAIR NOSINGS

**P-3310-PL-100**

**Single Component, Ribbed Abrasive**

**APPLICATION**

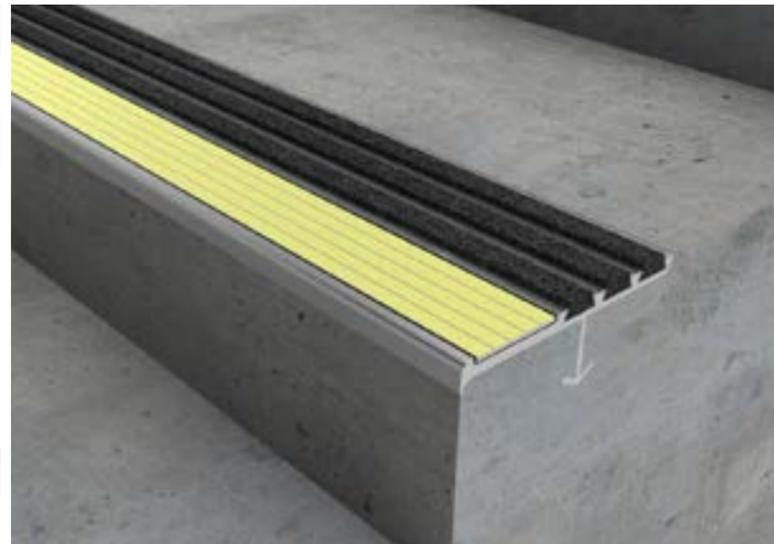
- Cast into leading edge of stairs

**FEATURES**

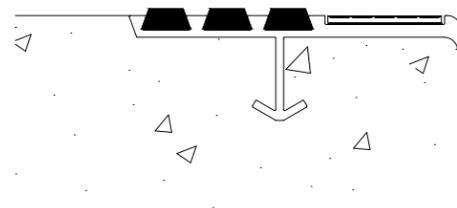
- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Extruded aluminum base & anchor
- Proprietary, slip-resistant epoxy abrasive
- Ships in max of 10' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



3" width



\*See details (page 170).



ILLUMITREAD™ EGRESS  
CAST-IN/BLOCKOUT STAIR NOSINGS

**R-300-PL-100**

**Single Component, Set-back, Ribbed Abrasive**

**APPLICATION**

- Cast-in or blockout in leading edge of stairs

**FEATURES**

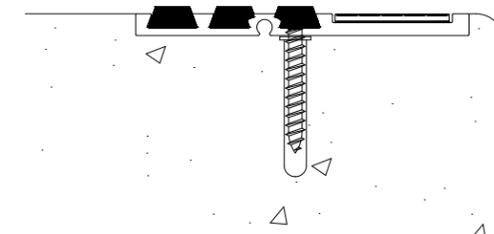
- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, cast-in and concrete anchors available
- Ships in max of 10' lengths
- Multiple abrasive color options available\*

**PERFORMANCE**

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



3" width



\*See details (page 170).



ILLUMITREAD™ EGRESS  
CAST-IN/BLOCKOUT STAIR NOSINGS

**R-315P-PL-100**

**Single Component, Ribbed Abrasive**



**APPLICATION**

- Cast-in or blockout in leading edge of stairs

**FEATURES**

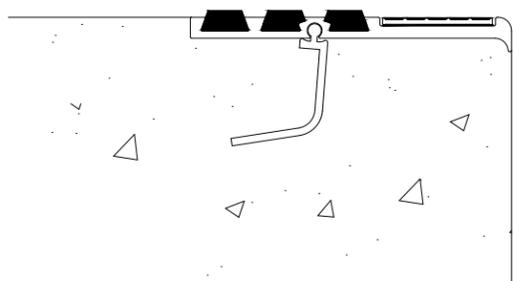
- Charges by variety of light sources (LED, fluorescent, etc.)\*
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, cast-in and concrete anchors available
- Ships in max of 10' lengths
- Multiple abrasive color options available\*



3" width

**PERFORMANCE**

- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



\*See details (page 170).

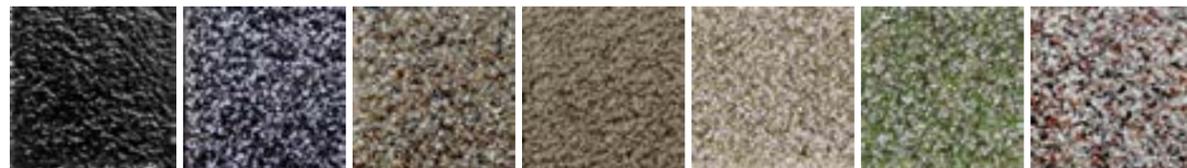


ILLUMITREAD™ EGRESS

**DETAILS**

**ABRASIVE COLOR OPTIONS**

Proprietary, two-part formula of epoxy and aluminum oxide abrasive.



Black Black Rain Brown Bark Canyon Tan Gravel Gray Pineland Green Rare Earth



Red Stone Silver Gray Twilight Blue Yellow

**METAL FINISH OPTIONS**

**STANDARD ANODIZED**

Subject to additional charges and extended lead times.



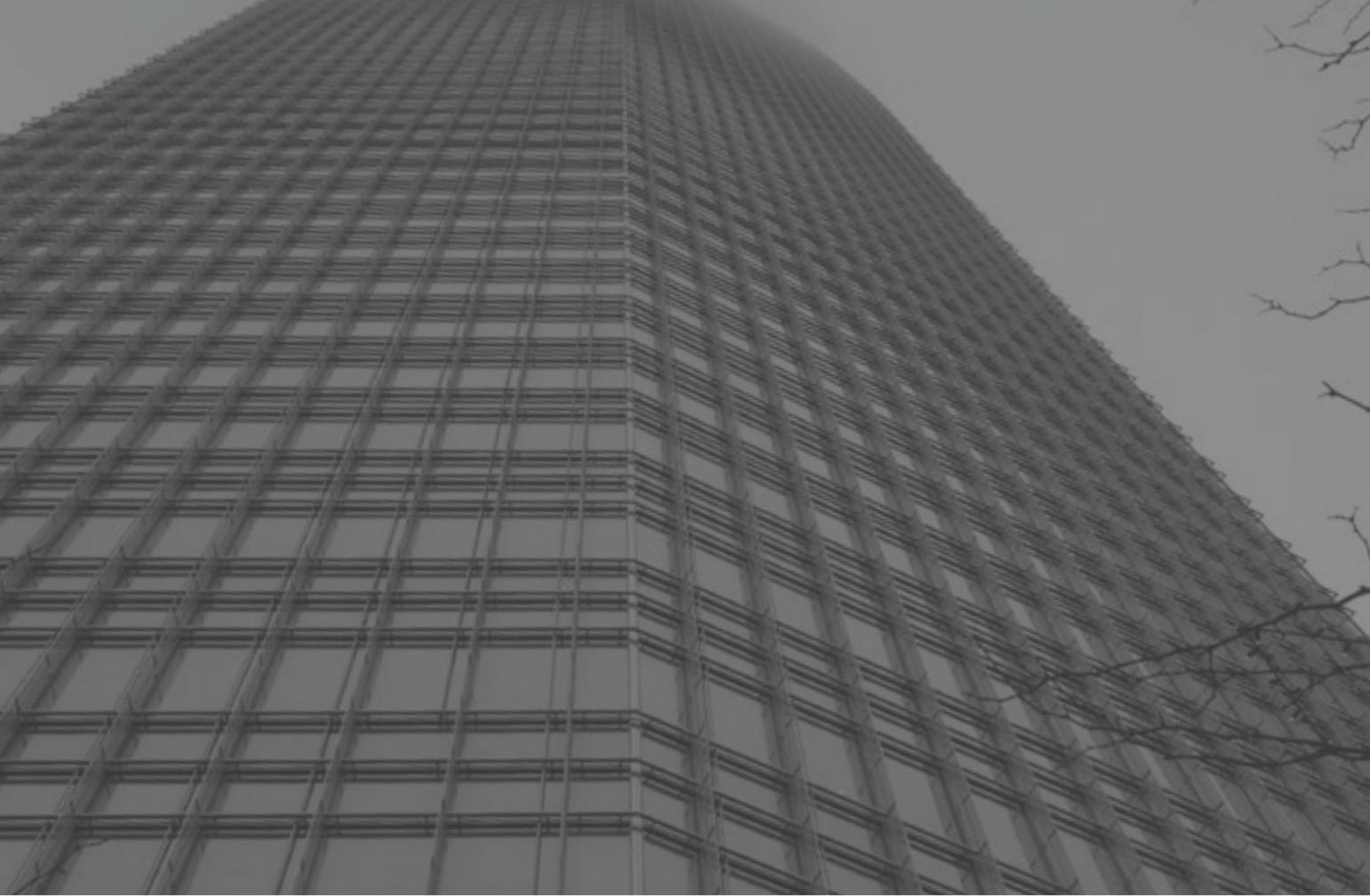
Mill Aluminum Clear Champagne Light Bronze Medium Bronze Dark Bronze Black

**ANCHOR/FASTENER OPTIONS**

Type 1	Type 5	Type 6	Type 7	Extruded
Cast-in	Wood	Ball Anchor	Concrete Anchor	(P & R-315 Series only)

\*\*Available as continuous

Color chart is for reference only. Contact factory for physical samples, as colors may vary.



**RESOURCES**

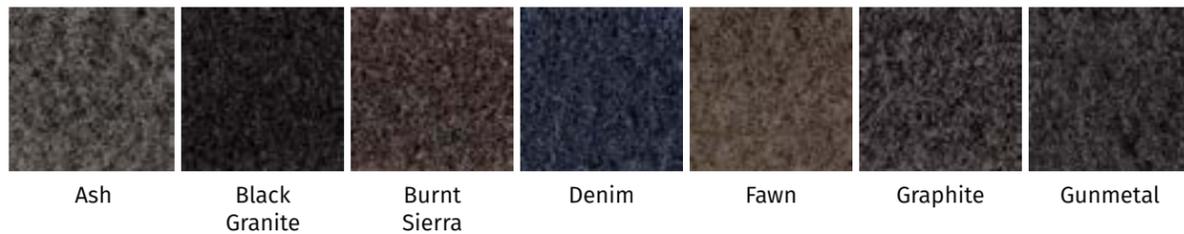
# COLOR CHART

Color chart is for reference only. Contact factory for physical samples, as colors may vary.

## CARPET OPTIONS

### STANDARD

Made of nylon yarn with polypropylene backing.



### HEAVY DUTY

Made from polypropylene yarn with polypropylene backing. Subject to upcharge.



## ABRASIVE OPTIONS

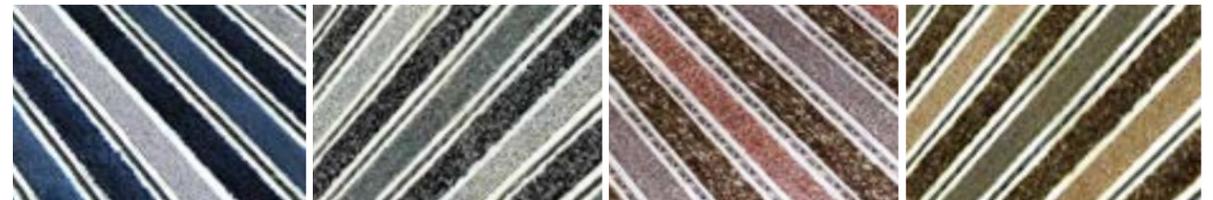
Proprietary, two-part formula of epoxy and aluminum oxide abrasive.



## DESIGNER STYLE PATTERNS

Repeating pattern of alternating tread rails of abrasive, standard carpet and heavy duty carpet

### COLOR THEME OPTIONS



- |   |   |  |  |
|---|---|--|--|
| <p><b>Blue Lagoon</b></p> <ul style="list-style-type: none"> <li>• Rare Earth Abrasive</li> <li>• Denim Standard Carpet</li> <li>• Blue Sapphire Heavy Duty Carpet</li> <li>• Black Hinge</li> <li>• Black Perimeter Vinyl</li> </ul> | <p><b>Night Sky</b></p> <ul style="list-style-type: none"> <li>• Black Rain Abrasive</li> <li>• Graphite Standard Carpet</li> <li>• Black Onyx Heavy Duty Carpet</li> <li>• Black Hinge</li> <li>• Black Perimeter Vinyl</li> </ul> | <p><b>Painted Desert</b></p> <ul style="list-style-type: none"> <li>• Red Stone Abrasive</li> <li>• Burnt Sierra Standard Carpet</li> <li>• Coffee Bean Heavy Duty Carpet</li> <li>• Bronze Hinge</li> <li>• Bronze Perimeter Vinyl</li> </ul> | <p><b>Warm Chestnut</b></p> <ul style="list-style-type: none"> <li>• Rare Earth Abrasive</li> <li>• Fawn Standard Carpet</li> <li>• Coffee Bean Heavy Duty Carpet</li> <li>• Bronze Hinge</li> <li>• Bronze Perimeter Vinyl</li> </ul> |
|---|---|--|--|

## SILICONE OPTIONS

Dow Corning® 790

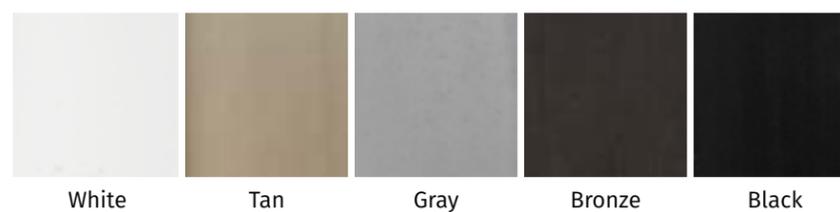
"Other" colors subject to 100-foot-per-product minimum order quantity or set up charges, applicable to all Michael Rizza™ (RR, RW & PCS) products. For EV & IS, standard colors are Black, White, Gray, Bronze and Sandstone. For BCS, all colors are standard.

### STANDARD

### OTHER



## SANTOPRENE OPTIONS



\*White not available for floor applications.

## KYNAR OPTIONS

Subject to additional charges and extended lead times.

### TRINAR® ULTRA — Standard Colors in a 2-Coat System

A more environmentally-friendly version that contains a lower level of VOC's.



### TRI-Escent® II — Mica Colors in a 2-Coat System

Subtly appears to change color as the angle of the sun changes, season after season, year after year.



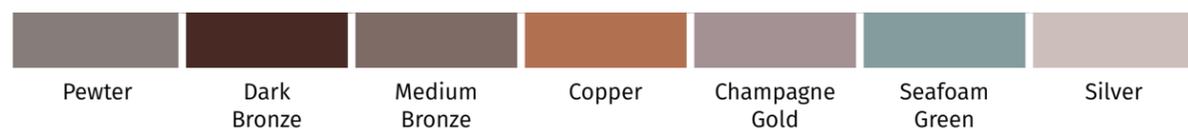
### TRINAR® TEC — Exotic Colors in a 3-Coat System

Colors are available in a broad spectrum of vibrant, bright and very clean colors; additional charge may apply



### TRINAR® TMC — Metallic Colors in a 3-Coat System

Metallic colors offer either a bright or subdued metal color, which is very popular throughout architectural community; additional charge may apply



## METAL FINISH OPTIONS

### STANDARD ANODIZED

Subject to additional charges and extended lead times.



## LINER/PAN MATERIAL OPTIONS TRENCH / DEEP PIT GRID (FGDP)

### STANDARD OTHER

Subject to additional charges and extended lead times.



## BELLOW METAL OPTIONS BRB SERIES ONLY





## Balco Load Data Sheet

### Establishing Minimum Design Loads for Balco Products

When establishing the minimum design loads for our products, an important consideration is their capacity to allow the minimum live loads defined by IBC Table 1607.1. These IBC loads have been established primarily for the design of the flooring and supporting structure.

Additional design considerations should be given to expansion joint systems; mats and grids; trench and access covers, and similar design elements incorporated into the floor. These systems are most often affected more by localized concentrated loads. These more localized loads are typically produced by wheeled equipment as it crosses the systems.

Balco has developed the following table of frequently encountered concentrated wheel loads. In order to fully define these loads, a *load magnitude* and *load contact area* is given. It is not enough to specify only a load magnitude, or to categorize it as a “wheel load”, “rolling load”, “point load” or “concentrated load”. The severity of the load is unclear and under-defined without a load contact area. The smaller the load contact area, the more severe the load and the higher the resulting stresses and deflection.

Balco uses load contact areas appropriate for the equipment types as defined by the building code and/or the equipment technical data. These categories are used to classify the load capacity of Balco systems. Systems are analyzed based on allowable stress and allowable deflection. Stress is limited to prevent the system and components from yielding or permanently deforming. Deflection is limited to maintain pedestrian comfort and to prevent cracking or dislodging of infill materials.

Please reference the table on the following page for Balco’s standard design load cases. Balco technical data sheets display the applicable graphics from the first column to denote product load capabilities.

## Balco Load Data Sheet

Associated Graphic	Design Load	Load Contact Area	Design Load Basis
PEDESTRIAN	300 lbs.	2" x 2"	IBC Table 1607.1
GURNEY/BED	450 lbs.	2" x 2"	Equipment TDS
X-RAY	450 lbs.	2" x 2"	Equipment TDS
FLOOR SWEEPER	833 lbs.	3.5" x 3.5"	Equipment TDS
GOLF CART	450 lbs.	4" x 4"	Equipment TDS
PASSENGER CART	680 lbs.	4" x 4"	Equipment TDS
PALLET JACK (3370 lbs. PAYLOAD)	880 lbs.	6" x .75"	Equipment TDS
PALLET JACK (5620 lbs. PAYLOAD)	1425 lbs.	6" x .75"	Equipment TDS
CLASS FL 2 FORKLIFT (3370 lbs. PAYLOAD)	4,500 lbs.	4" x 4"	DIN EN 1991-1-1
CLASS FL 3 FORKLIFT (5620 lbs. PAYLOAD)	7,100 lbs.	4" x 4"	DIN EN 1991-1-1
SCISSOR LIFT	2,310 lbs.	4" x 4"	Equipment TDS
SLOW VEHICULAR	3,000 lbs.	4.5" x 4.5"	IBC Table 1607.1
HS-20 VEHICULAR	16,000 lbs.	8" x 20"	AASHTO HS-20

#### Notes:

All design loads cited are the load per wheel.

All design loads have been established based on a general survey of typical equipment weights and wheel sizes. Data for specific equipment anticipated should be supplied when known.

Contact the factory for analysis of unique or project-specific load requirements. When doing so, please provide the required load magnitude and contact area, or the make and model or technical data of the equipment anticipated to be crossing the system.

# PRODUCT INDEX

## ALPHA-NUMERIC

1120 (& 1420)	35	FG1-S	132
1500-1504	157	FGDP-A	133
1505-1510	158	FGDP-C	134
1511-1516	159	FGDP-D	134
1517-1522	160	FGDP-S	134
1523, 1524, 1529-1532	161	FGLP-A	135
1545-1550	162	FGLP-C	136
1551-1554, 1560	163	FGLP-D	136
2FRBCSF-SL	106	FM2R-C	130
2FRBCSW	110	FM2S-C	128
2HFFB	105	FMR-A	129
2HWFB	109	FMR-C	130
3FRBCSF-SL	106	FMR-D	130
3FRBCSW	110	FMS-A	127
4010C	153	FMS-C	128
4120	164	FMS-D	128
4211C	154	FR	74
6FA	23	FS	88
6FC	24	G	36
6FP	25	GCVS	54
6FS	26	GCWW	55
6FTP	27	H	116
6GW	43	HDNB	21
6TW	44	HPG	80
75FCA	45	IS	58
75FCE	29	LPR	75
75FDP	30	MBF2H	103
75FPE	31	MBF3H	103
75FTE	32	MBF4H	103
75FWG	46	MBW2H	107
75FWP	47	MBW3H	107
75FWPE	48	MBW4H	107
8120	164	MF2H	104
95GFPB	33	MW2H	108
95GFTB	34	NBAF	20
95GW	49	NBR	19
9W	63	P	116
9W	73	P-3310-PL-100	167
AB	122	PC	117
AC	51	PCS-1	99
ACA	145	PCS-1B	99
ACD	146	PCS-1C	99
ACP	146	PJC	22
ACT	146	PLFA-100-H	153
ACVS	52	PLFA-100-OB	155
ACWW	53	PLTS-100	154
ANB	122	PSW	50
AS	122	R-300	117
BBSW	71	R-300-PL-100	168
BCP	37	R-315	118
BCSF-SL	90	R-315P-PL-100	169
BCSW	69	RB	86
BCSWE	70	RPA	41
BHFE	91	RRG	77
BHS	38	RS	115
BRB	76	RS-405-PL-100	165
CE	65	SBP	81
CM	59	SM	82
CMX	64	SMPQ	83
CS	85	SSMR	137
DFH	79	SSPD	89
DST	120	SWPQ	84
DXH	120	T-213	119
DXH-330-PL-100	166	T-417	119
EJSB	111	TCVS	56
ES	87	TCWW	57
EV	66	TSA	143
EXBF	39	TSB	144
EXF	40	TSP	144
FC	60	TST	144
FCVS	67	WB	92
FCWW	68	WD	61
FG1-A	131	XH	121
FG1-C	132	XH4FS	28
FG1-D	132		





A CSW Industrials Company

## ARCHITECTURAL PRODUCTS:

EXPANSION JOINT SYSTEMS

PARTITION CLOSURE

FIRE BARRIERS

STAIR NOSINGS

MATS & GRIDS

TRENCH & ACCESS

ILLUMITREAD™ EGRESS

Balco, Inc. 2626 S Sheridan, PO Box 17249, Wichita, Kansas 67217 Phone 316.945.9328 800.767.0082 [balcousa.com](http://balcousa.com)  
Balco, the logos and other trademarks are property of Balco, Inc., its affiliates or its licensors and are protected by copyright, trademark and other intellectual property laws, and may not be used without permission. Balco, Inc. reserves the right to change specifications without prior notice.  
© 2012–2018 Balco, Inc. All rights reserved. B50032-0118

# ¿QUÉ NECESITA SABER PARA ELEGIR LA JUNTA ADECUADA?

## PREGUNTAS FUNDAMENTALES QUE SE TIENE QUE PLANTEAR

- ¿Qué anchura tiene la abertura de la junta?
- ¿Cuál es el movimiento calculado que tendrá la estructura?:  
-MOVIMIENTO HORIZONTAL -MOVIMIENTO VERTICAL
- ¿Necesita estanqueidad al agua (por ejemplo, aparcamientos subterráneos)?
- ¿Qué tipo de suelo va a colocar?
- ¿Qué tipo de colocación necesita?  
-ENRASADA -SUPERPUESTA (REVESTIMIENTOS YA COLOCADOS).
- ¿Qué espesor tiene el revestimiento (h)? (para juntas enrasadas)
- Capacidad de carga necesaria. ¿Qué tipo de transporte pasará por encima?
- ¿La junta estará en el exterior o el interior del edificio?

**¡Consúltenos y con gusto le atenderemos!**