



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

RENOWNED IN THE
GLOBAL CONSTRUCTION
AND ARCHITECTURE
INDUSTRIES

EXPANSION
JOINT SYSTEMS
16



PARTITION
CLOSURE
98



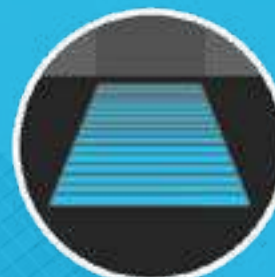
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BARRIERS
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STAIR
NOSINGS
114



MATS
& GRIDS
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TRENCH
& ACCESS
142



ILLUMITREAD™
EGRESS
150



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



ALL PRODUCTS
FABRICATED
ENTIRELY
IN AMERICA

ISO CERTIFIED
QUALITY
MANAGEMENT
SYSTEM
SINCE 1992

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

WORLDWIDE
DISTRIBUTION

HIGHLY
CUSTOMIZABLE
PRODUCTS TO MEET
THE NEEDS OF
ANY PROJECT

AWARDED 2016
PRESIDENT'S
"E" AWARD FOR
EXPORTING



O'HARE INT'L AIRPORT
Chicago, IL



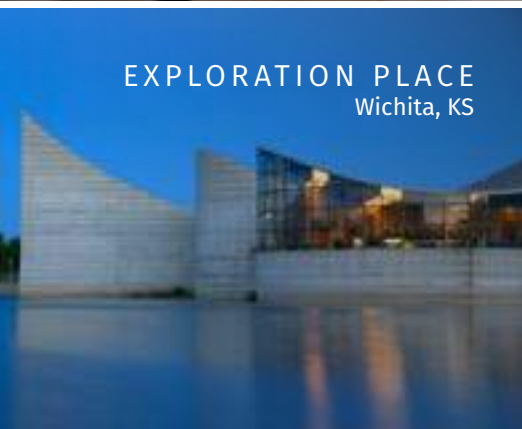
DEVON ENERGY
CENTER
Oklahoma City, OK



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



STATUE OF LIBERTY
New York City, NY



GEORGIA AQUARIUM
Atlanta, GA



GOLDMAN SACHS
New York City, NY



MIDWAY INT'L AIRPORT
Chicago, IL



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



TIME WARNER CENTER
New York City, NY



BILL & MELINDA
GATES FOUNDATION
Seattle, Washington



PENTAGON
Washington, D.C.



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



HONDA CENTER
Anaheim, CA



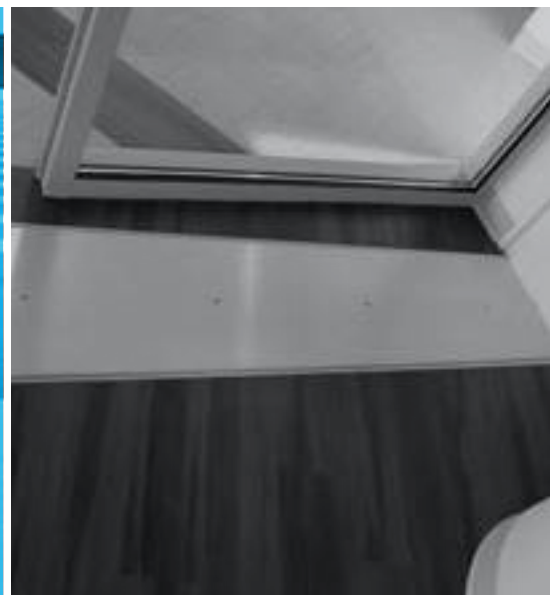
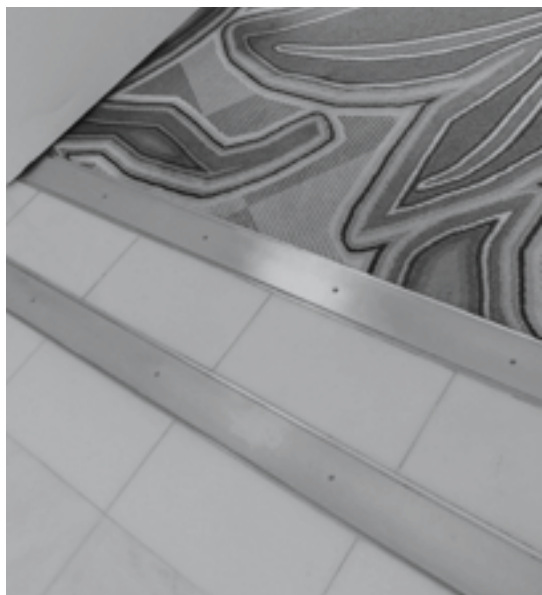
JOHN WAYNE AIRPORT
Santa Ana, CA



BELLAGIO HOTEL
Las Vegas, NV



PETRONAS TOWERS
Kuala Lumpur, Malaysia



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**

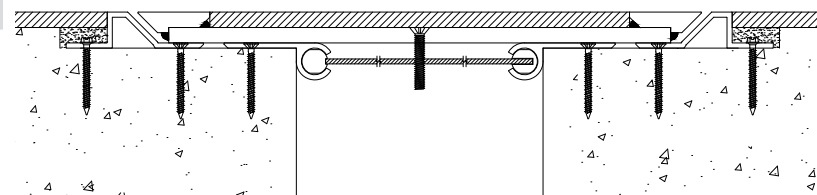
- Floor cover with infill recess, flush with surrounding floor

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.



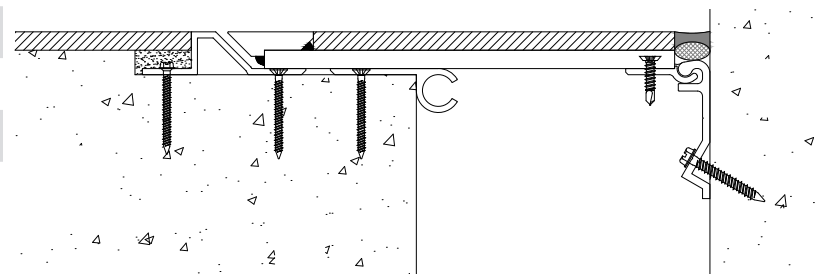
±50% to ±100% Lateral Shear



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)

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



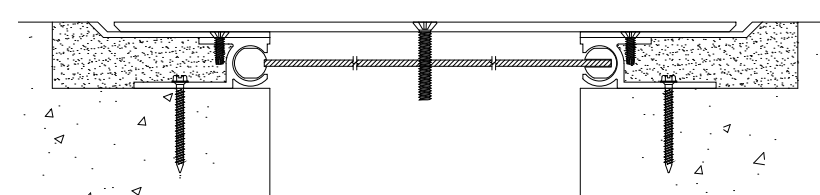
Vertical Shear (Contact Factory)

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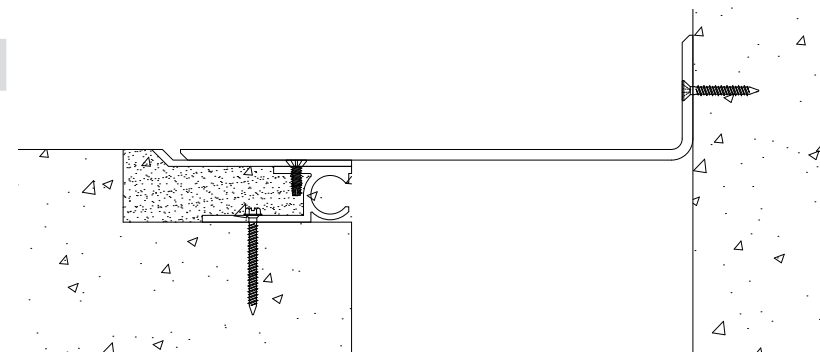
Pedestrian



NBAF - Floor-to-floor



NBAFL - Floor-to-wall



Shown with 6" joint

Stainless steel versions: NBSF & NBSFL

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)

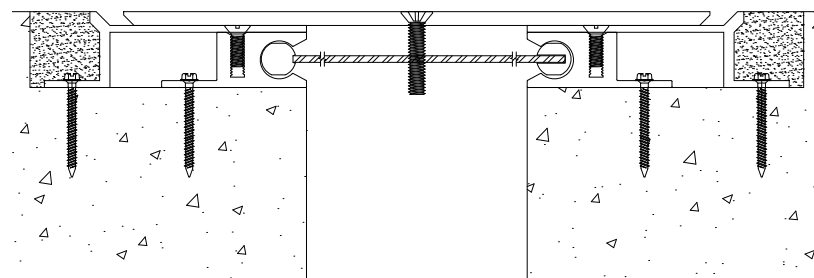


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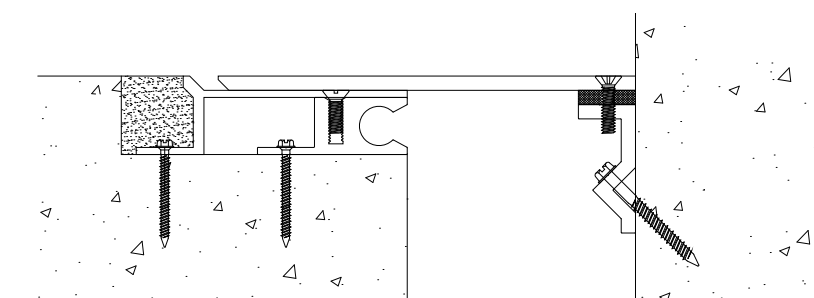
Pedestrian through Scissor Lift*



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

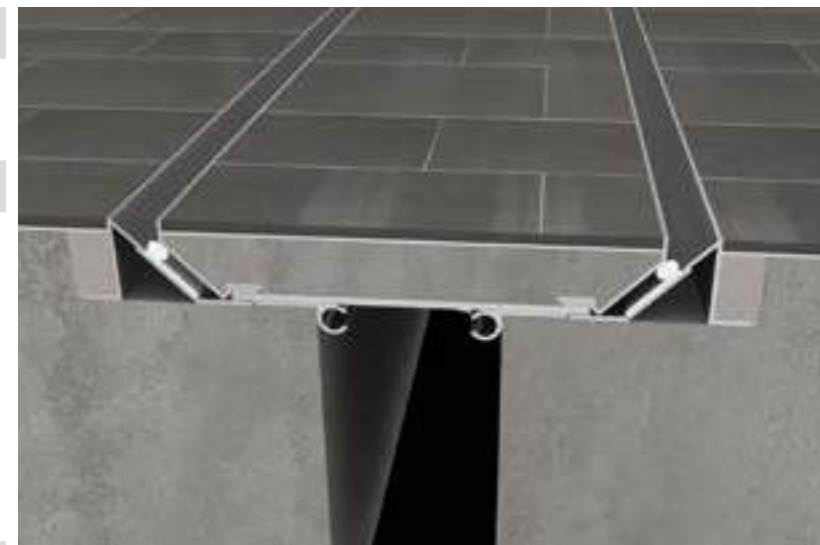


Vertical Shear (Contact Factory)

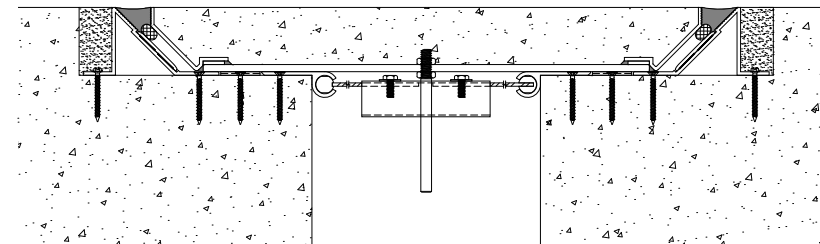


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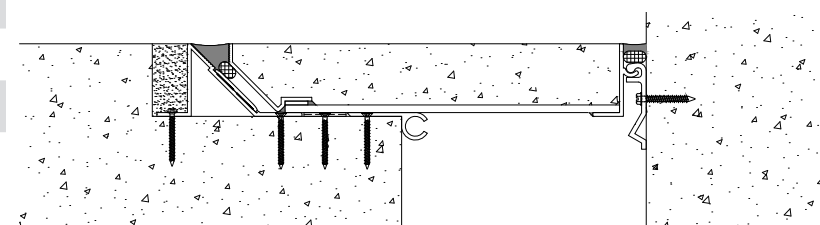
Pedestrian through X-Ray*



PJC - Floor-to-floor



PJCL - Floor-to-wall



Shown: 8" joint

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

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
INTERIOR FLOORS

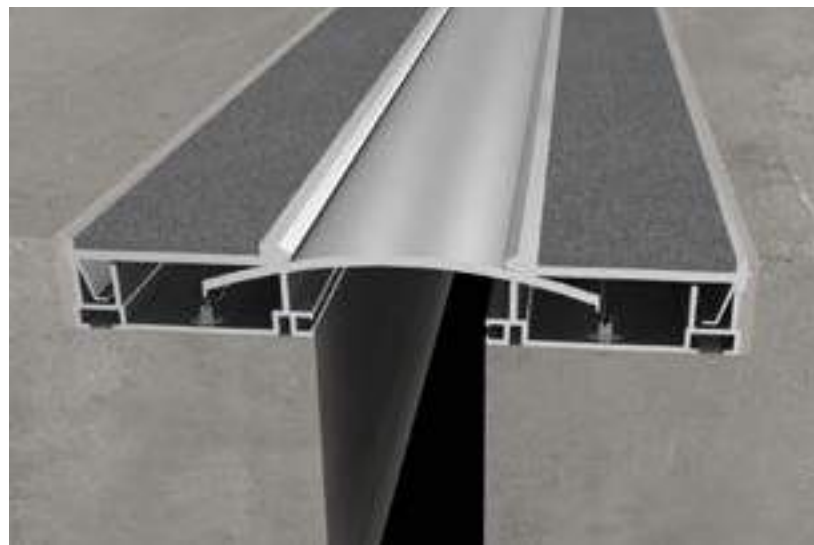
GLIDE PLATE SERIES

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

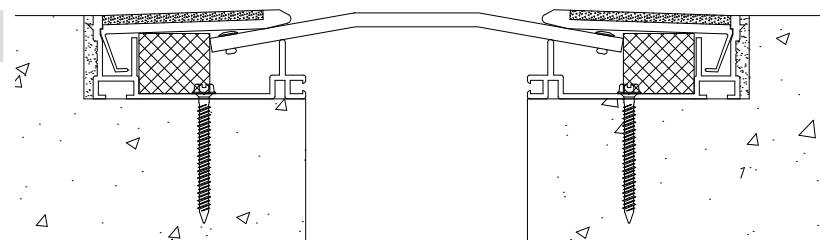
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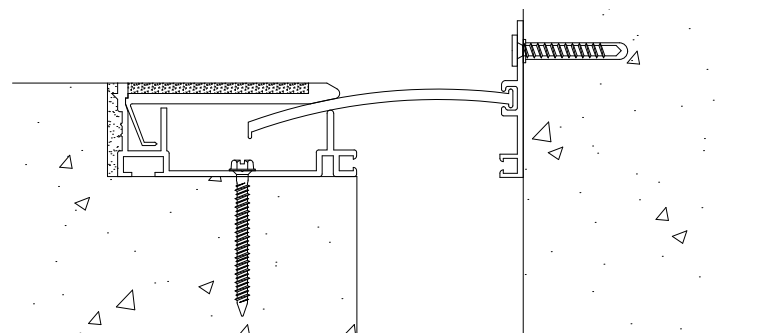
±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



6FVA - Floor-to-wall



Shown: 2-3" joint

Stainless steel versions: SS6FA & SS6FVA

LOAD

Pedestrian



*See details (page 94).

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
INTERIOR FLOORS
GLIDE PLATE SERIES**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)

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.



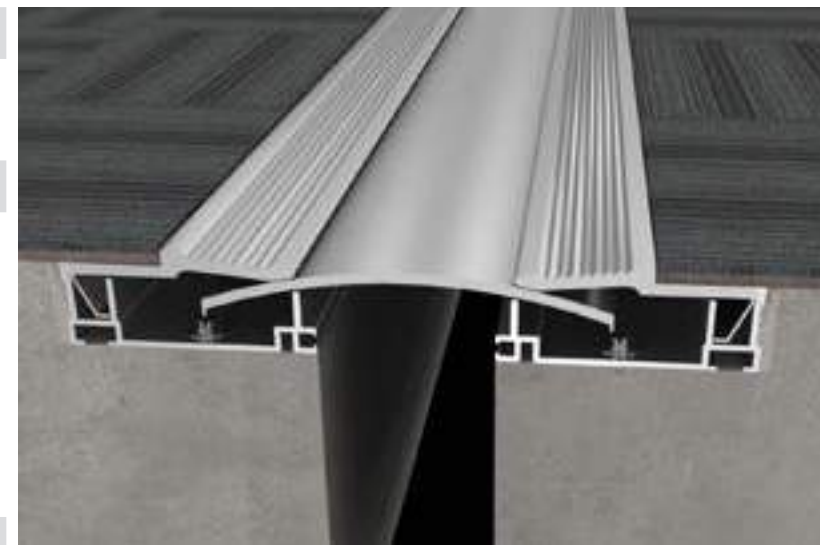
±50% to ±100% Lateral Shear



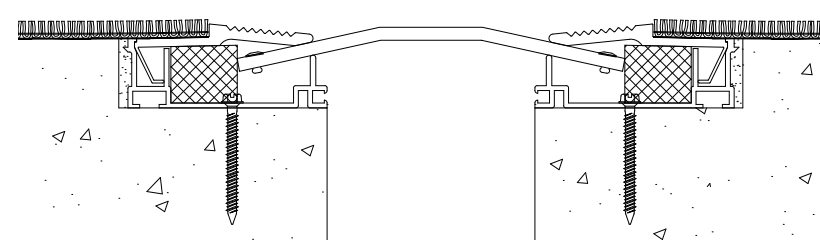
Vertical Shear (Contact Factory)

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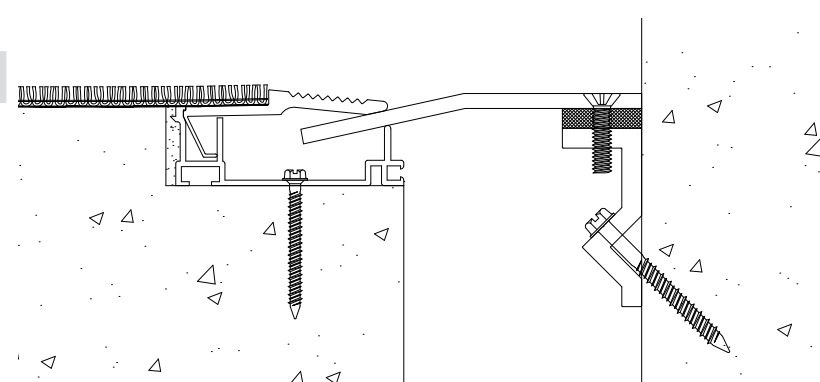
Pedestrian



6FC - Floor-to-floor



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)

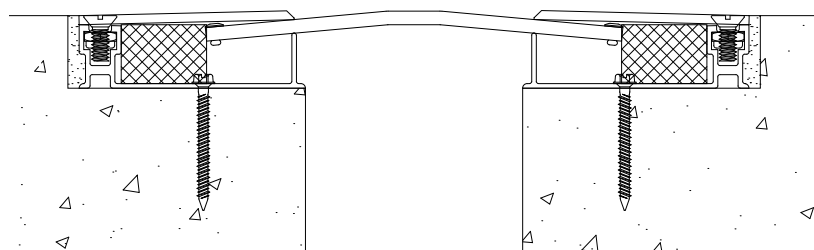


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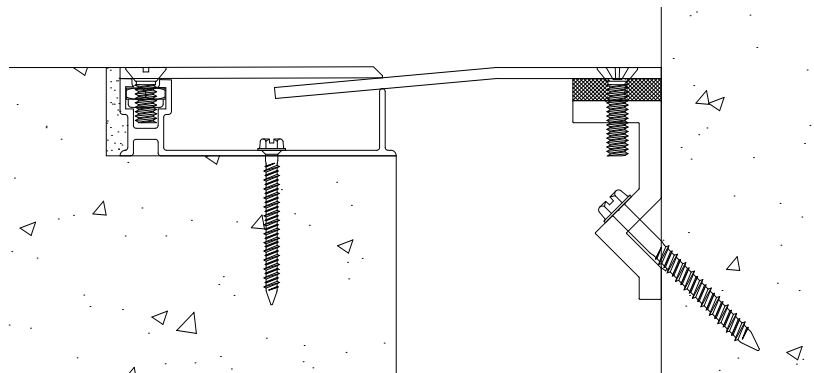
Pedestrian



6FP - Floor-to-floor



6FVP - Floor-to-wall



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

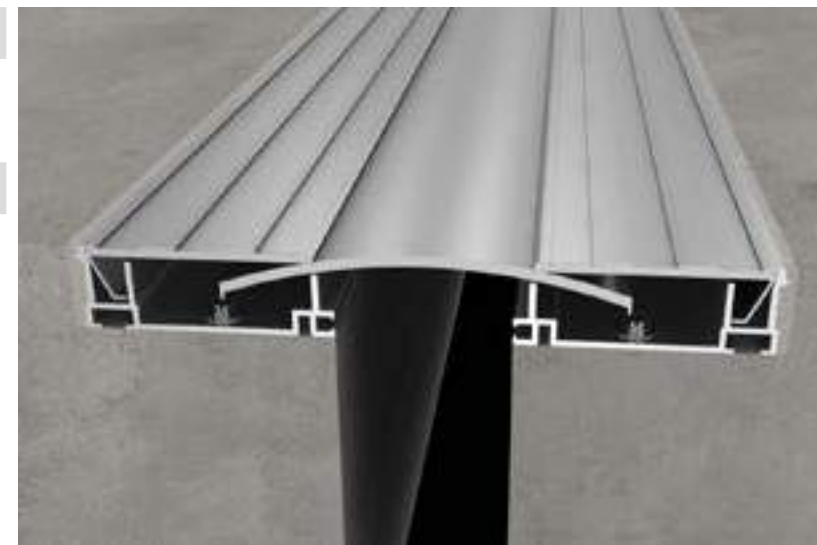


Vertical Shear (Contact Factory)

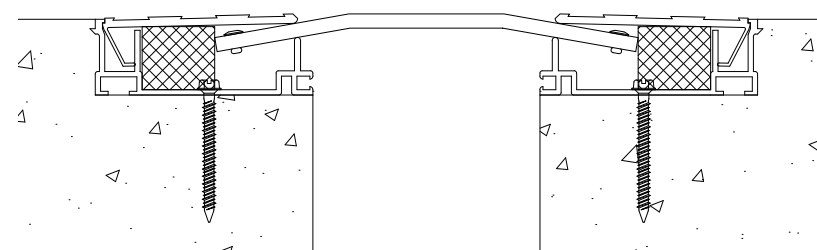


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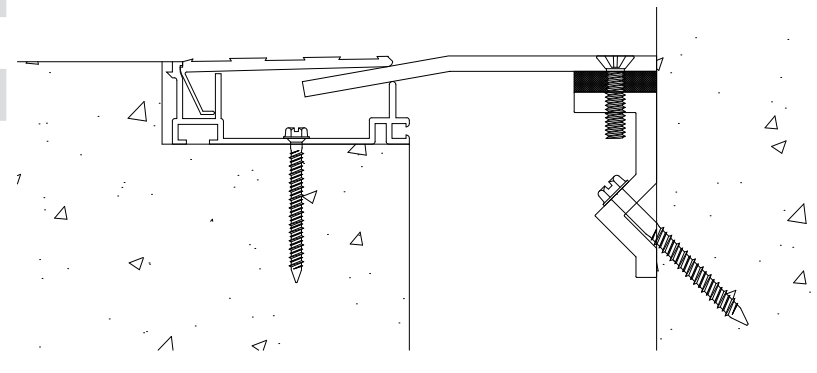
Pedestrian



6FS - Floor-to-floor



6FVS - Floor-to-wall



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

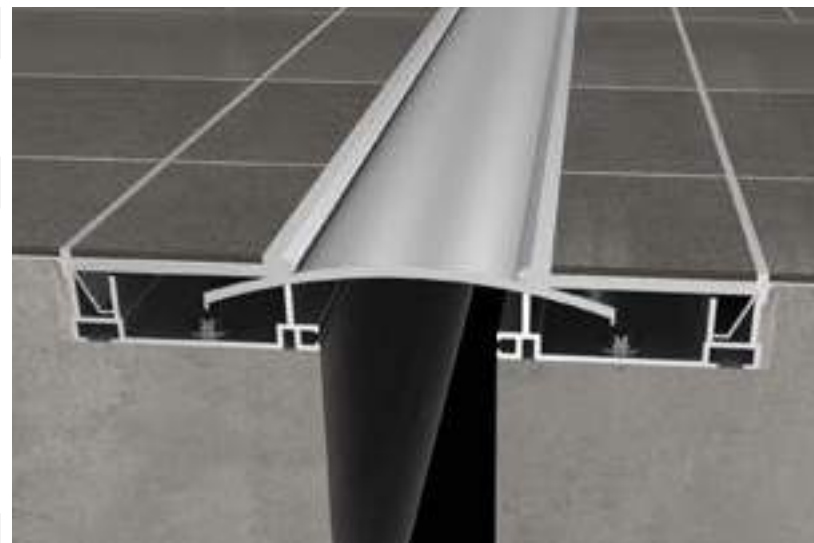


Vertical Shear (Contact Factory)

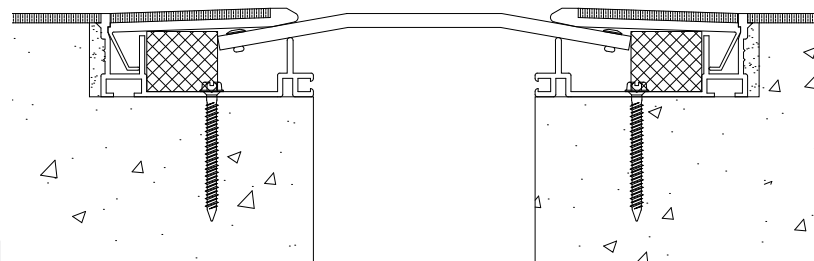


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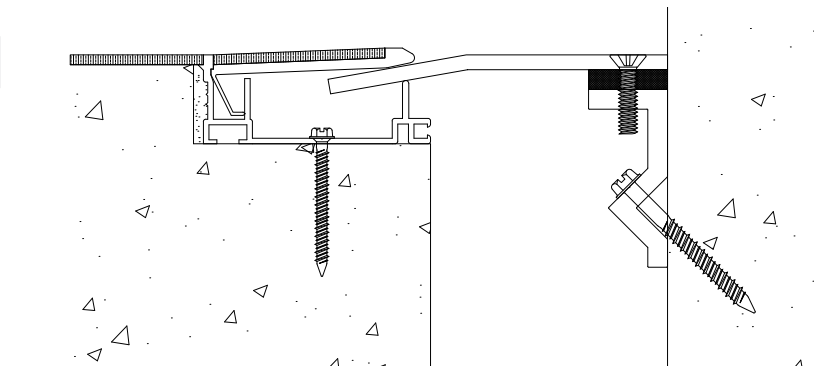
Pedestrian



6FTP - Floor-to-floor



6FVTP - Floor-to-wall



Shown: 2-3" joint

Stainless steel versions: SS6FTP & SS6FVTP

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.



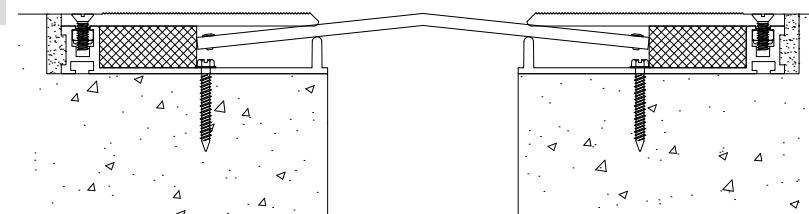
±50% to ±100% Lateral Shear



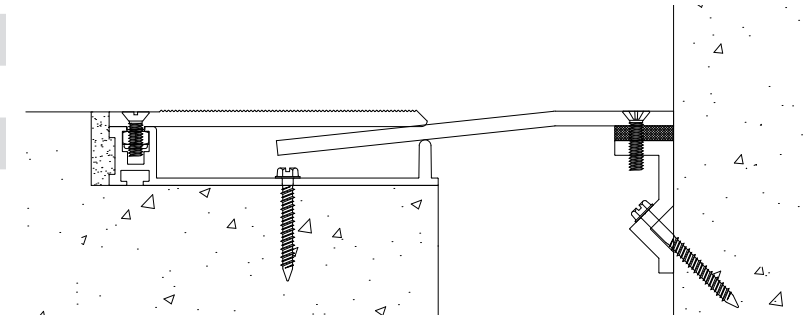
Vertical Shear (Contact Factory)



XH4FS - Floor-to-floor



XH4FVS - Floor-to-wall

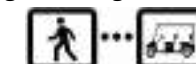


Shown: 4" joint

Stainless steel versions: SSXH4FS & SSXH4FVS

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"

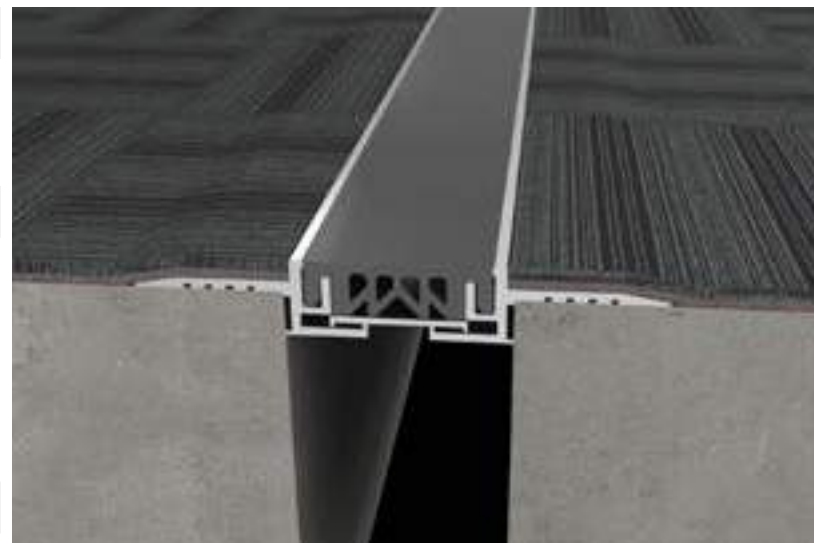
MOVEMENT

±25% Expansion/Contr.

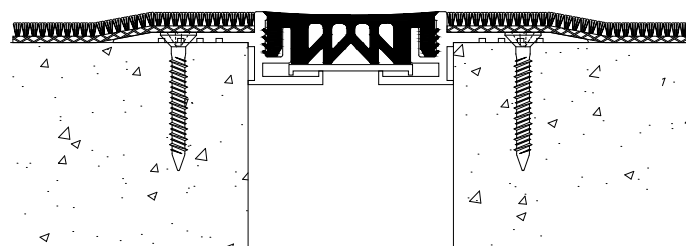


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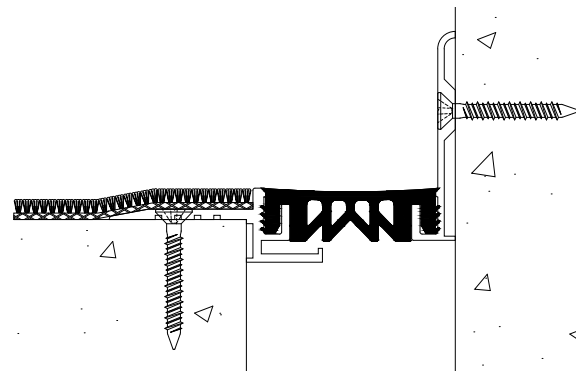
Pedestrian



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"

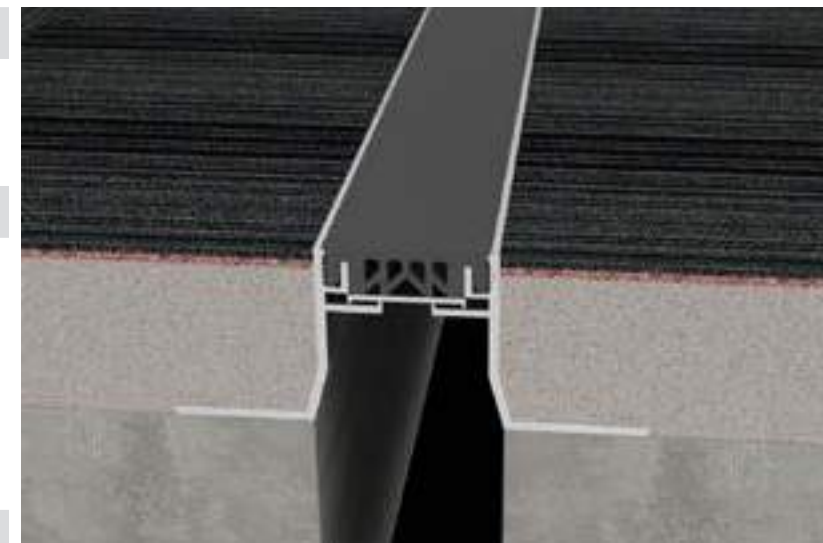
MOVEMENT

±25% Expansion/Contr.

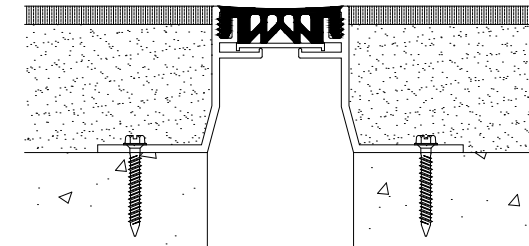


LOAD

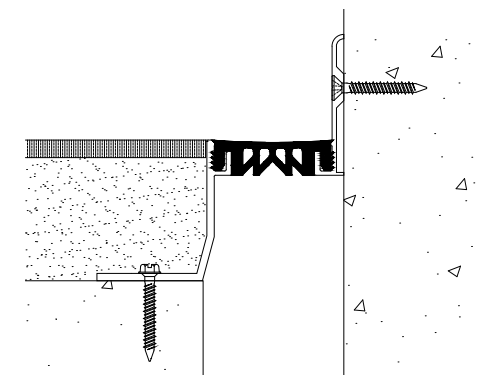
Pedestrian



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

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.

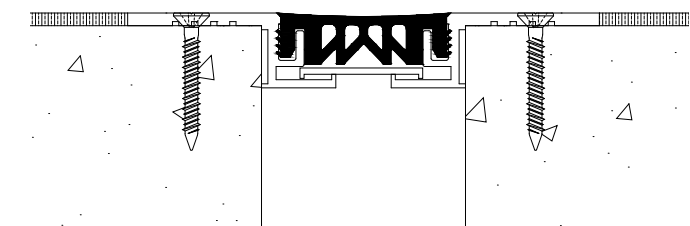


LOAD

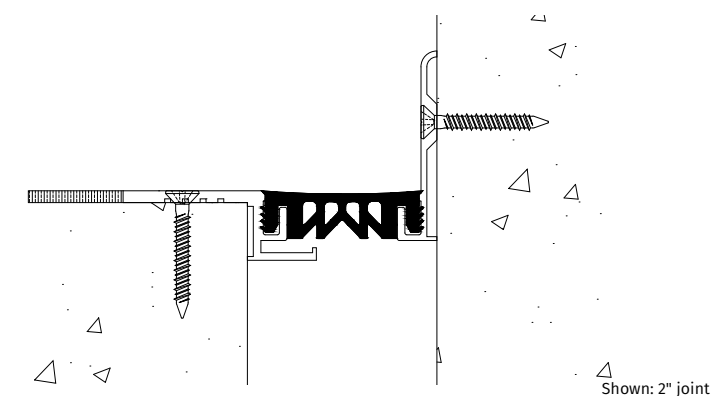
Pedestrian



75FTE - Floor-to-floor



75FVTE - Floor-to-wall



Shown: 2" joint

*See details (page 93).

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.

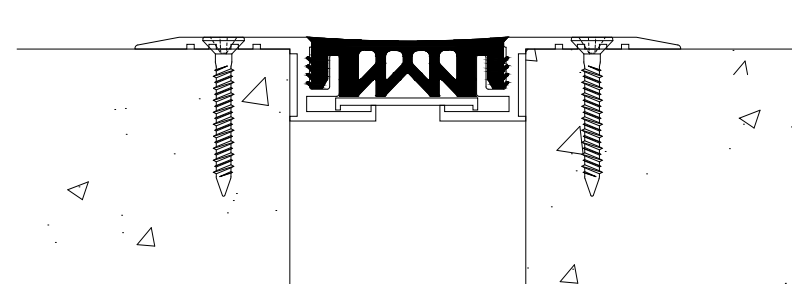


LOAD

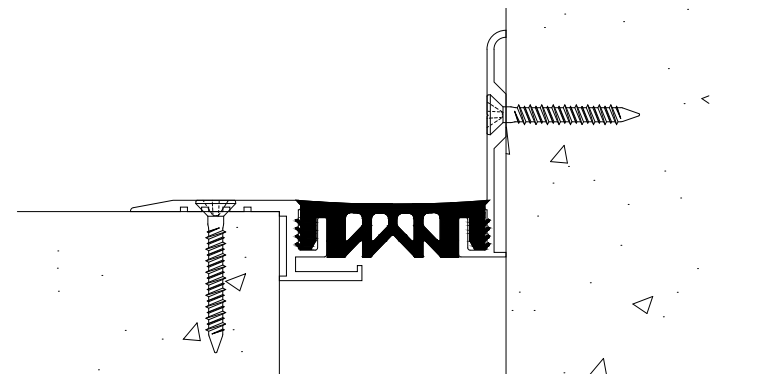
Pedestrian



75FPE - Floor-to-floor



75FVPE - Floor-to-wall



Shown: 2" joint

*See details (page 93).

DUAL ELASTOMERIC SEAL SERIES

95GFPB

Smooth

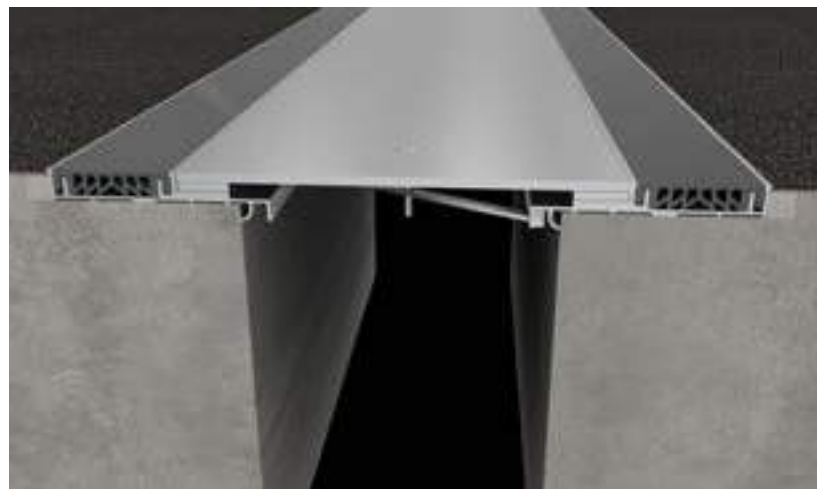


APPLICATION

- 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

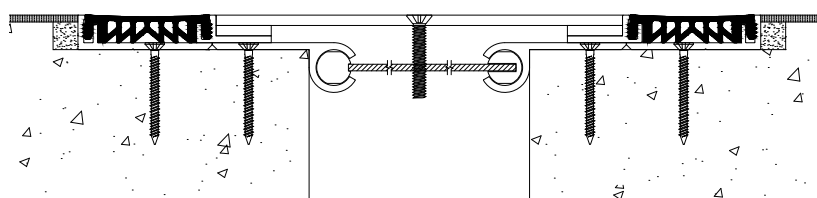


Vertical Shear (Contact Factory)

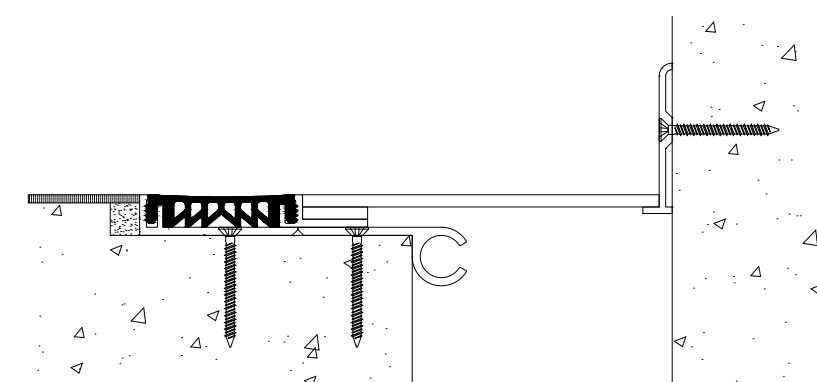


LOAD

Pedestrian



95GFVPB - Floor-to-wall



Shown: 4" joint

*See details (page 93).

DUAL ELASTOMERIC SEAL SERIES

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

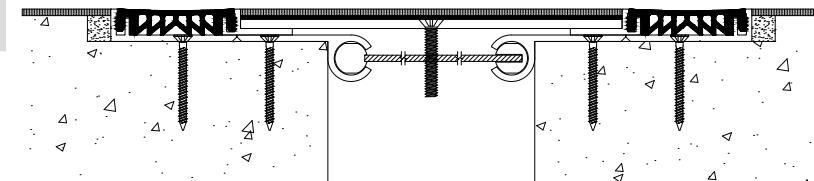


Vertical Shear (Contact Factory)

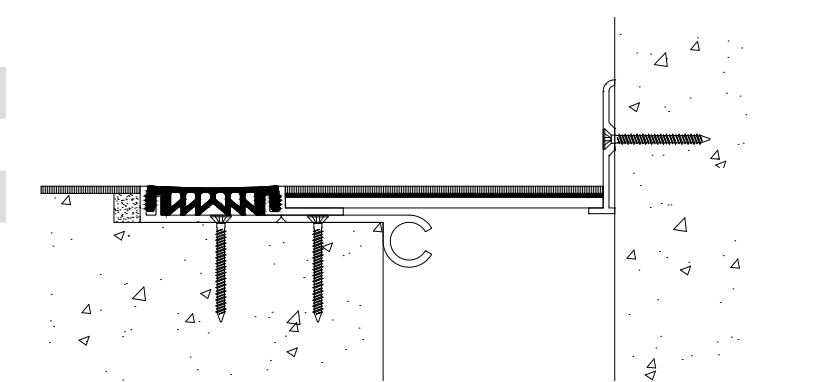


LOAD

Pedestrian



95GFVTB - Floor-to-wall



Shown: 4" joint

*See details (page 93).

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

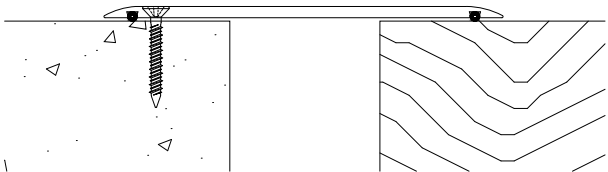


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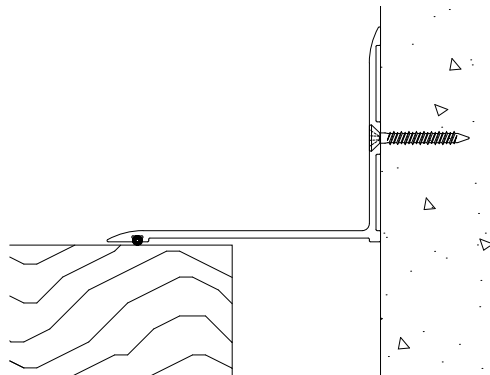
Pedestrian



GF - Floor-to-floor



GC - Floor-to-wall



Shown: 2" joint

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
INTERIOR FLOORS
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.

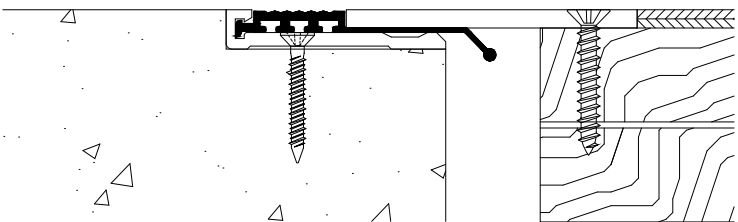


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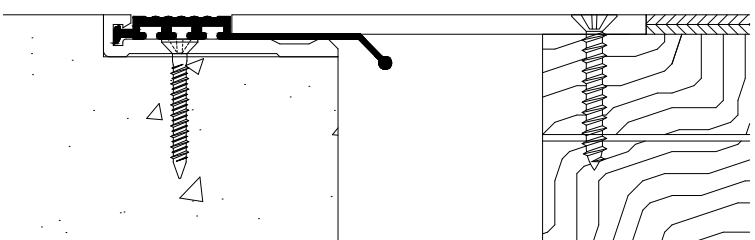
Pedestrian



1120 - 1" Joint



1420 - 2" Joint





EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
INTERIOR FLOORS

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"

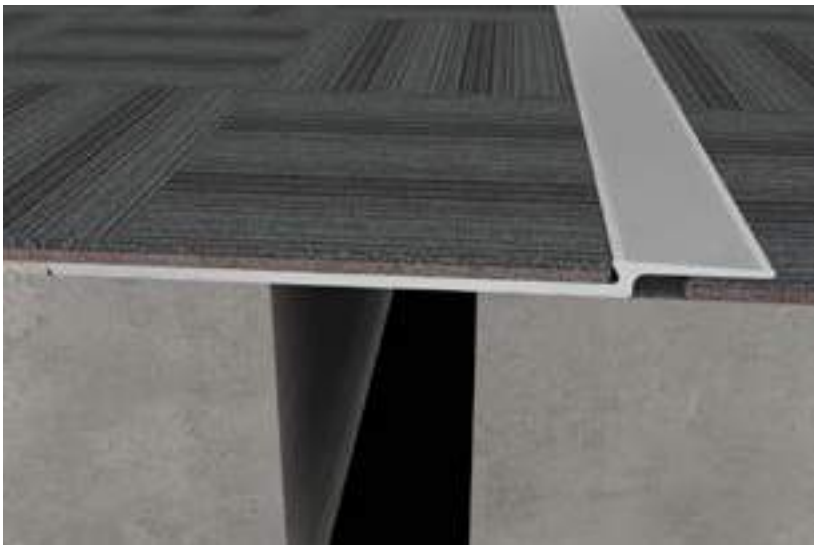
MOVEMENT

±50% Expansion/Contr.

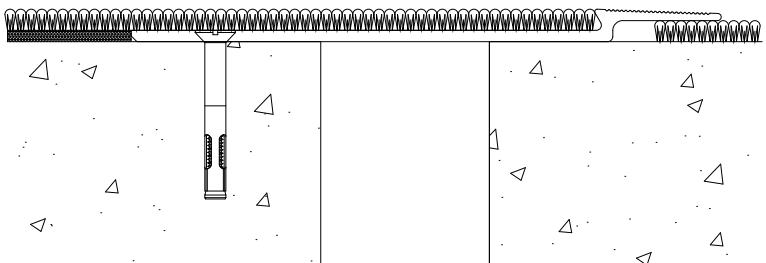


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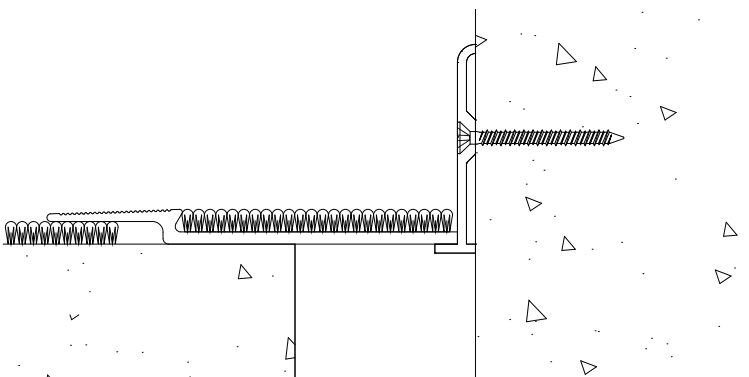
Pedestrian



BCP - Floor-to-floor



BCPL - Floor-to-wall



Shown: 2" joint

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
INTERIOR FLOORS
SURFACE PLATE SERIES

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)

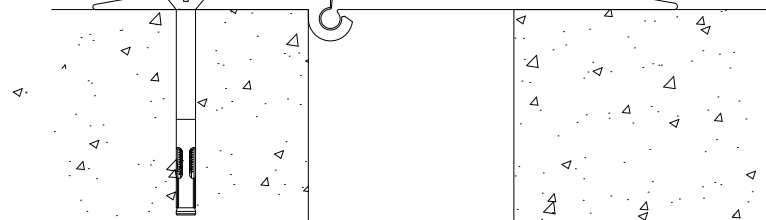


LOAD

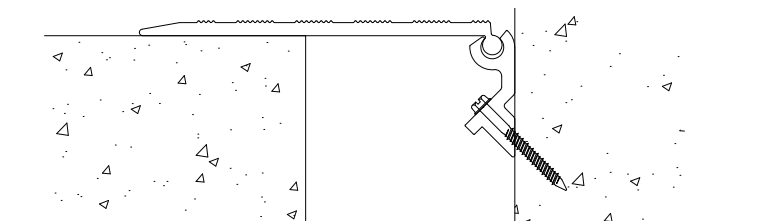
Pedestrian through Slow Vehicular*



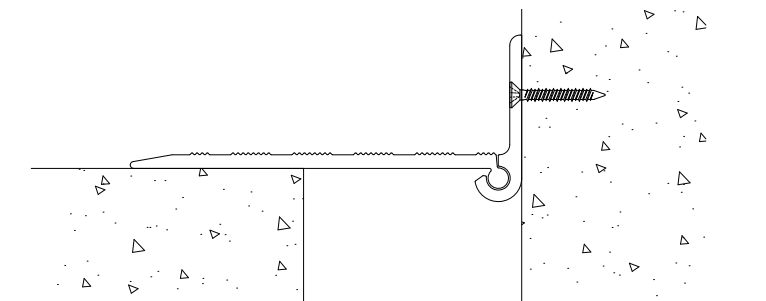
BHS - Floor-to-floor



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

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)

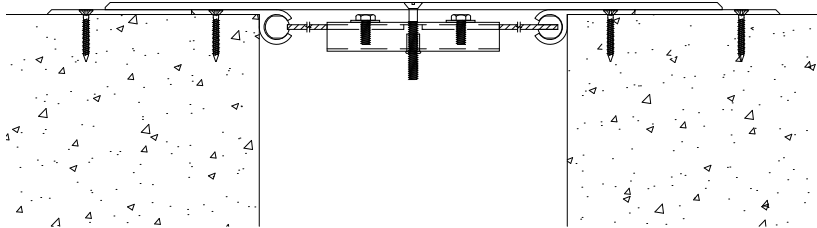


LOAD

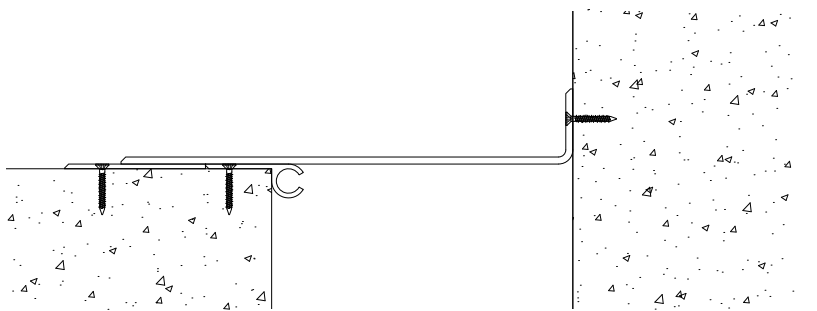
Pedestrian



EXBF - Floor-to-floor



EXBFL - Floor-to-wall



Shown: 8" joint

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)

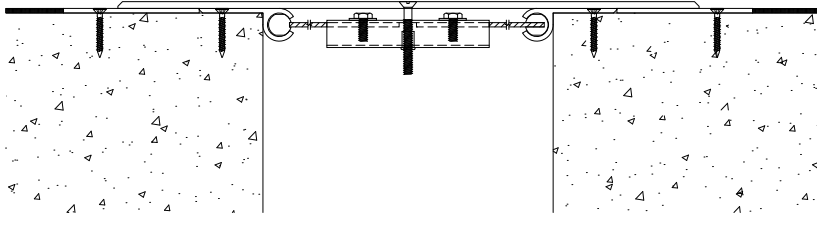


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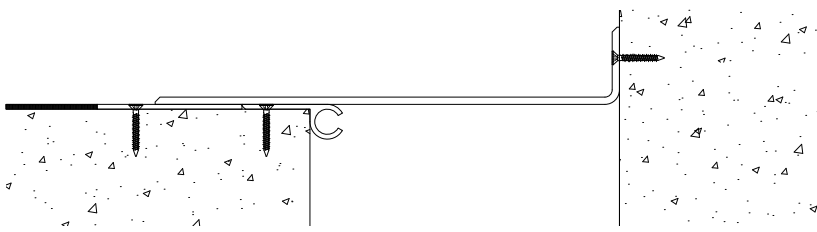
Pedestrian



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)

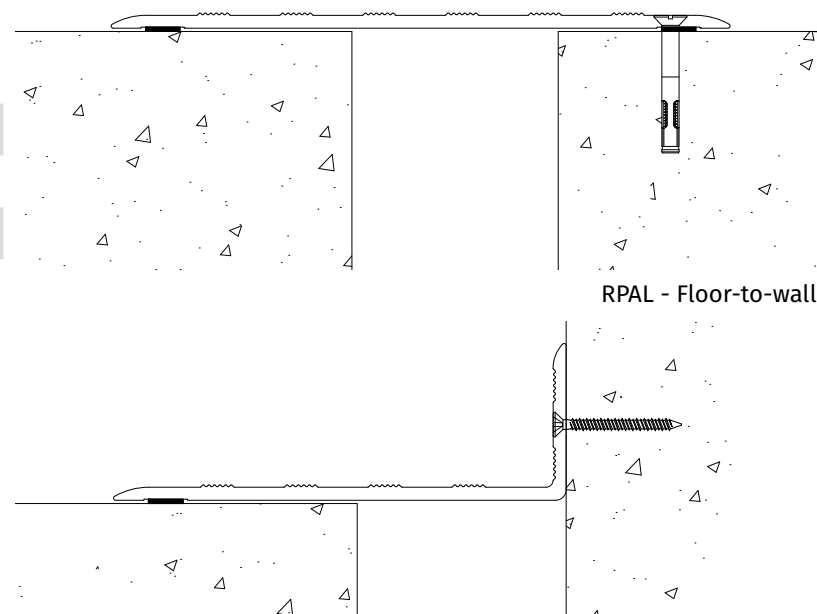


LOAD

Pedestrian



RPA - Floor-to-floor



RPAL - Floor-to-wall

Shown: 3" joint

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

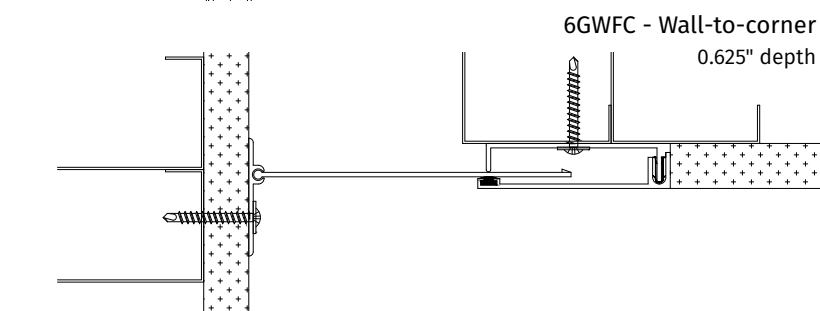
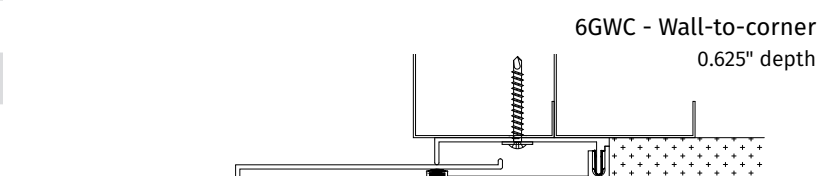
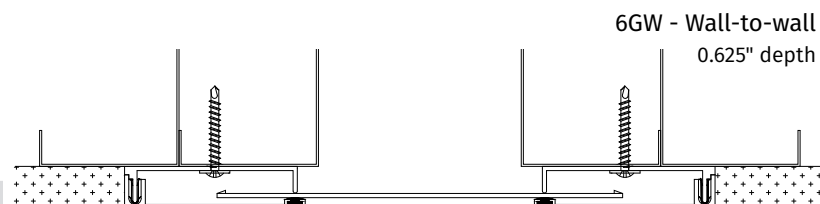
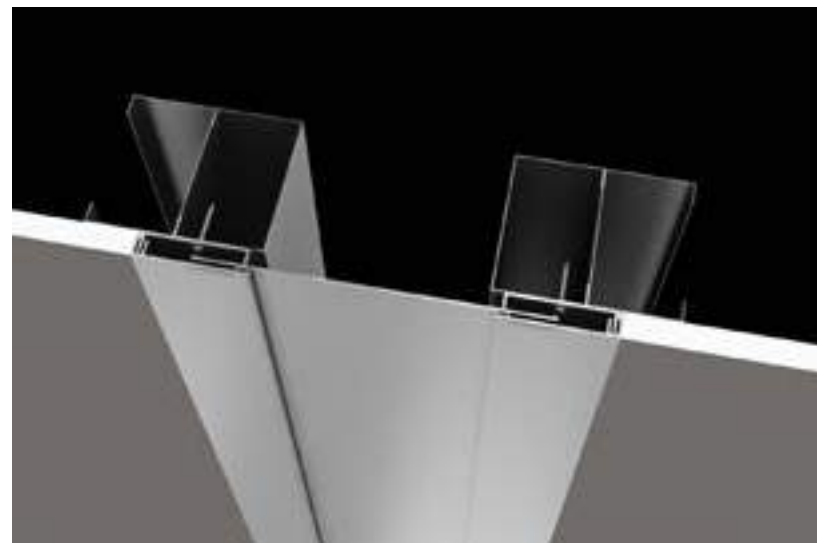
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



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

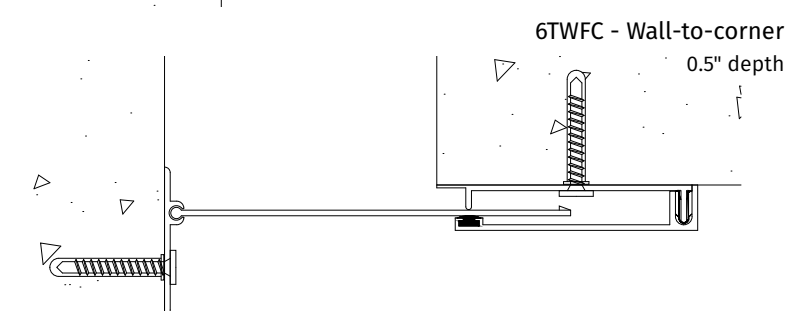
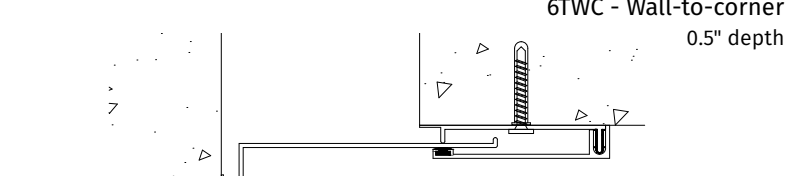
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)



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



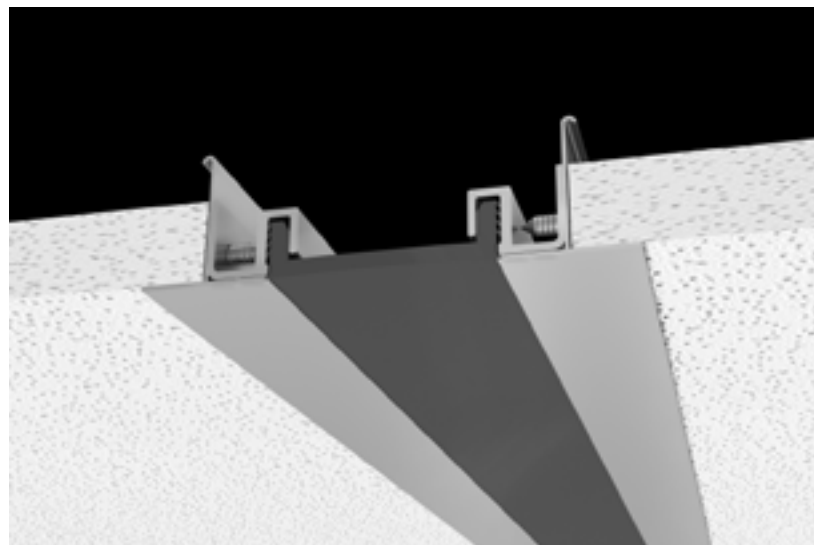
- Contributes to LEED® credits

JOINT SIZES

1-2"

MOVEMENT

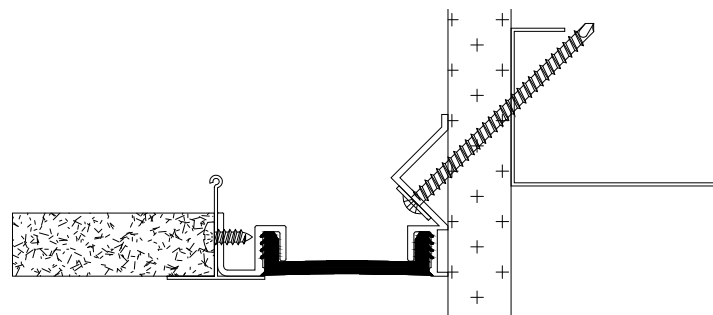
±25% Expansion/Contr.



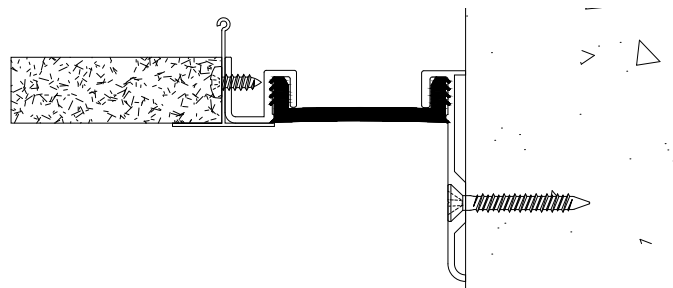
75FCA - Ceiling-to-ceiling



75FCAC - Ceiling-to-wall



75FCACE - Wall-to-corner



Shown: 2" joint

*See details (page 93).

ELASTOMERIC SEAL SERIES

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



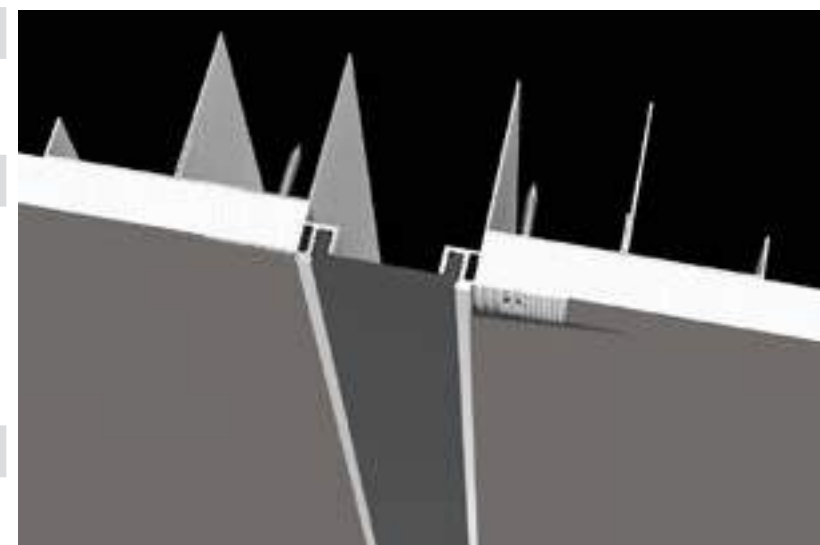
- Contributes to LEED® credits

JOINT SIZES

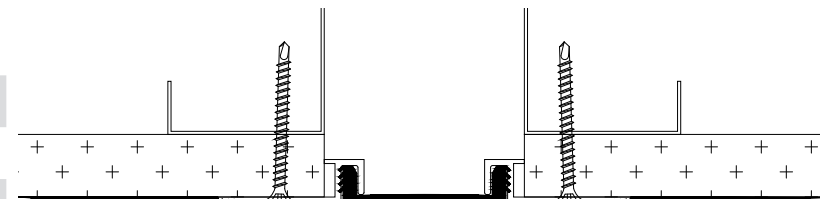
1-2"

MOVEMENT

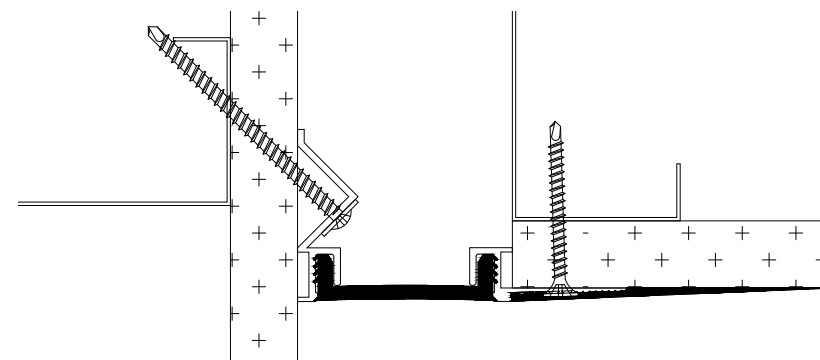
±25% Expansion/Contr.



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

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



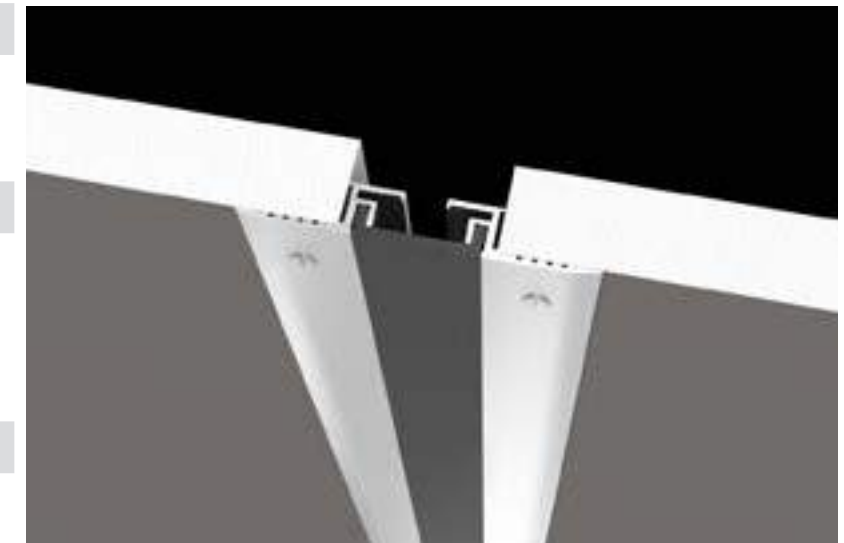
- Contributes to LEED® credits

JOINT SIZES

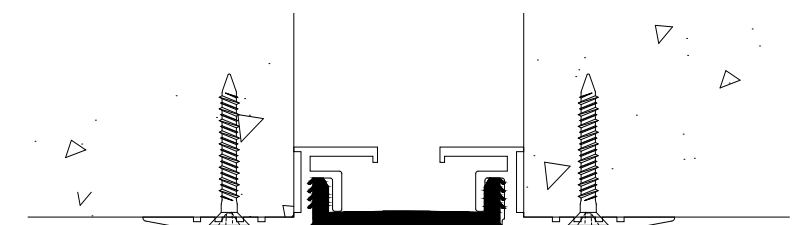
1-2"

MOVEMENT

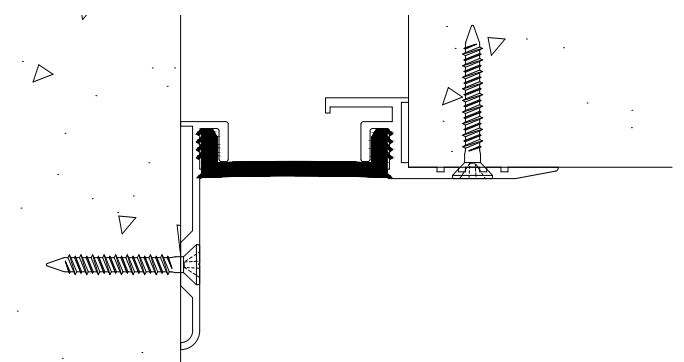
±25% Expansion/Contr.



75FWPE - Wall-to-wall



75FWVPE - 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



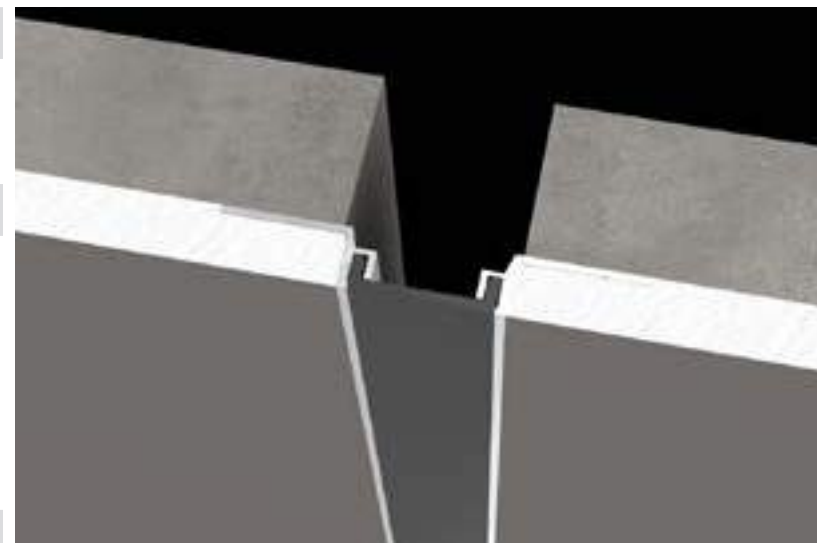
- Contributes to LEED® credits

JOINT SIZES

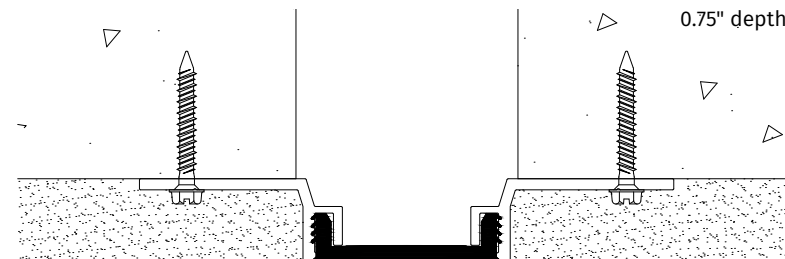
1-2"

MOVEMENT

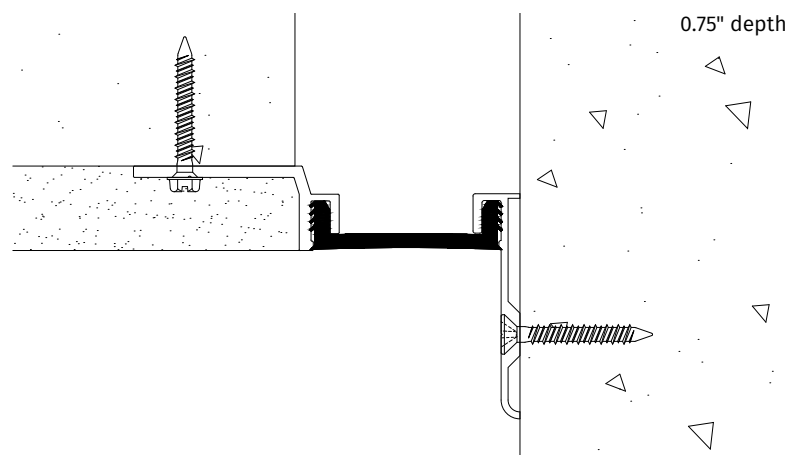
±25% Expansion/Contr.



75FWP - Wall-to-wall
0.75" depth



75FWVP - Wall-to-corner
0.75" depth



Shown: 2" joint

*See details (page 93).

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
INTERIOR WALLS & CEILINGS
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

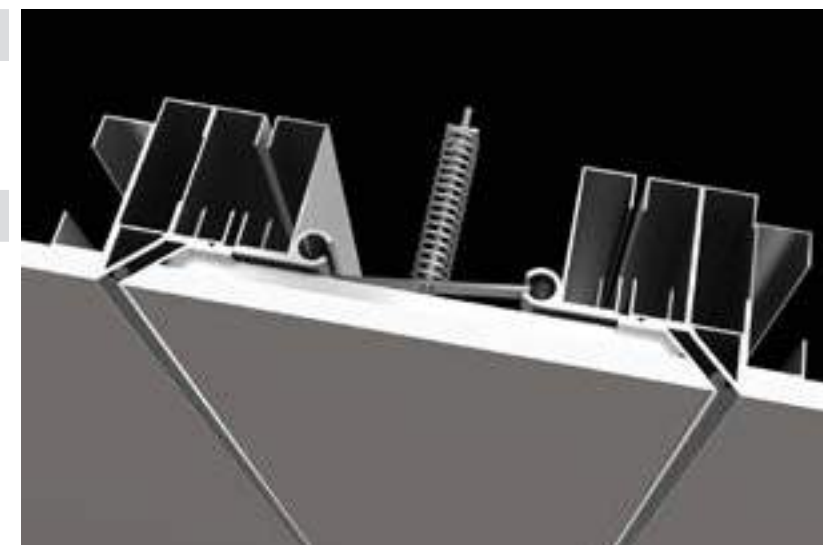
±50% to ±100% Expansion/Contr.



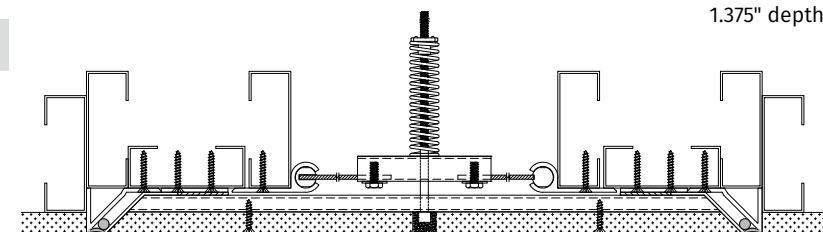
Lateral Shear (Contact Factory)



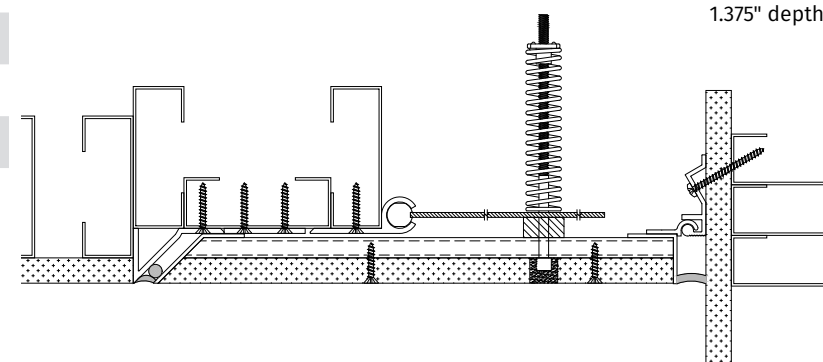
Vertical Shear (Contact Factory)



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
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

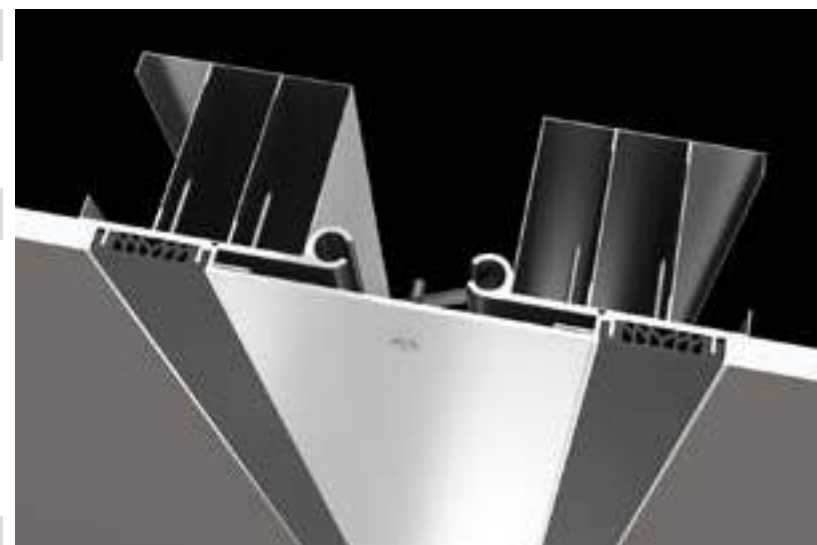
±50% to ±100% Expansion/Contr.



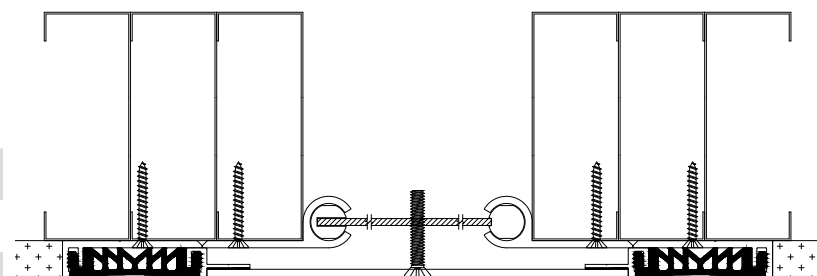
±50% to ±100% Lateral Shear



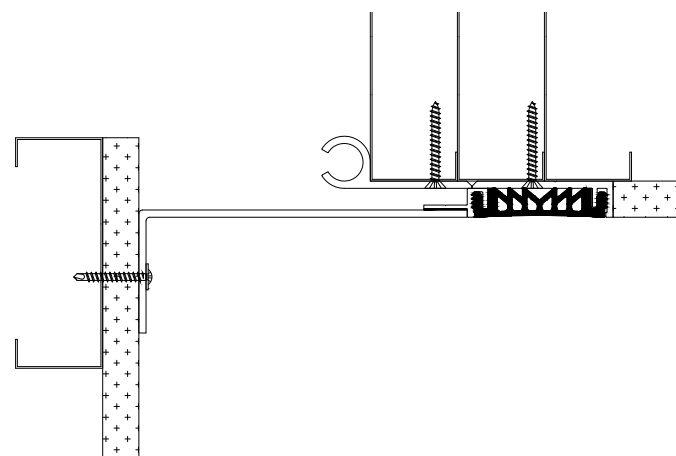
Vertical Shear (Contact Factory)



95GW - Wall-to-wall
0.625" depth



95GWC - Wall-to-corner
0.625" depth



Shown: 4" joint

*See details (page 93).

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

JOINT SIZES

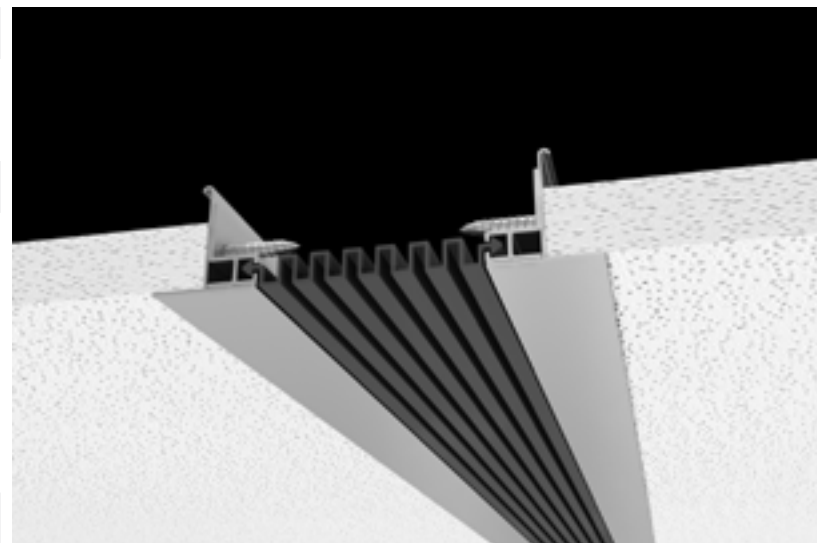
1-3"

MOVEMENT

±100% Expansion/Contr.



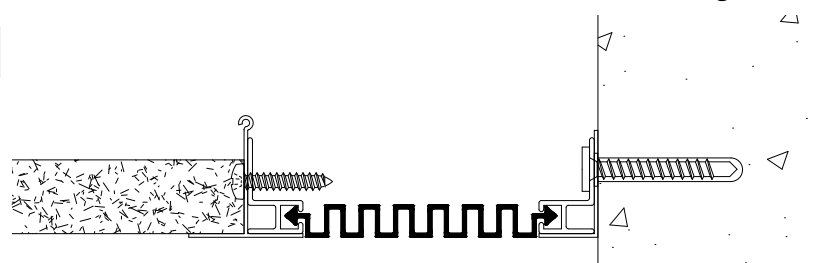
±100% Vertical Shear



AC - Ceiling-to-ceiling



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

JOINT SIZES

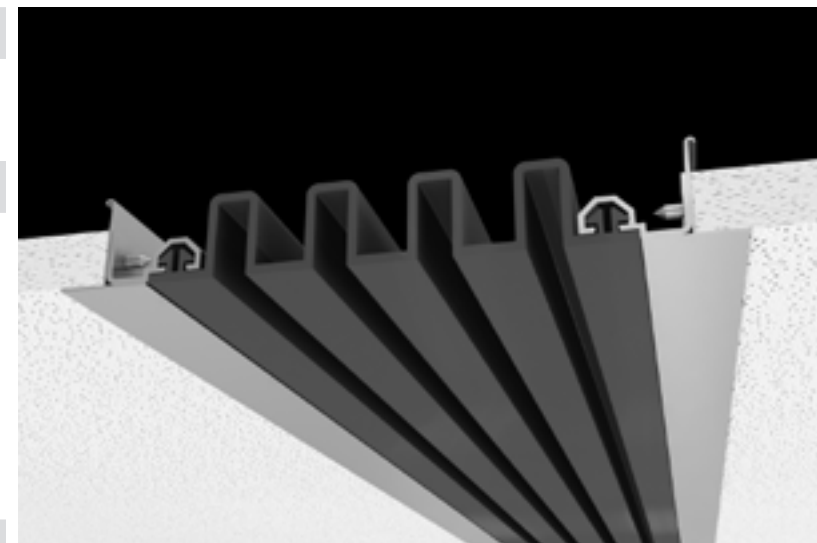
2-10"

MOVEMENT

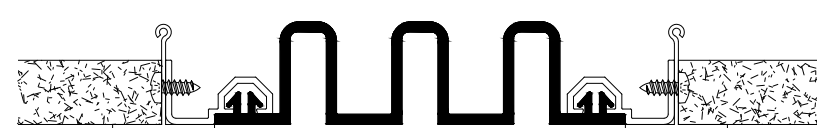
±100% Expansion/Contr.



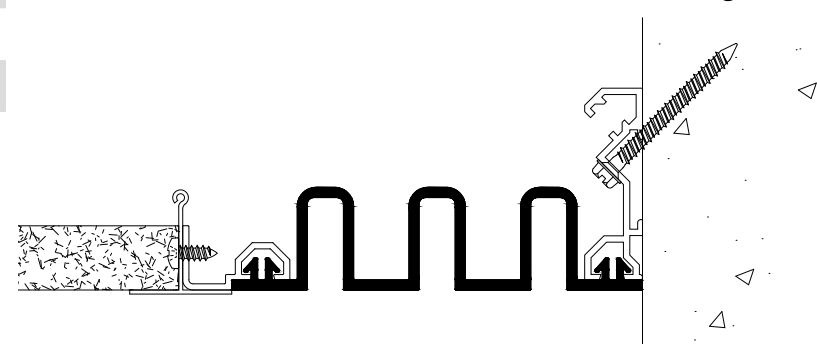
±100% Vertical Shear**



ACVS - Ceiling-to-ceiling

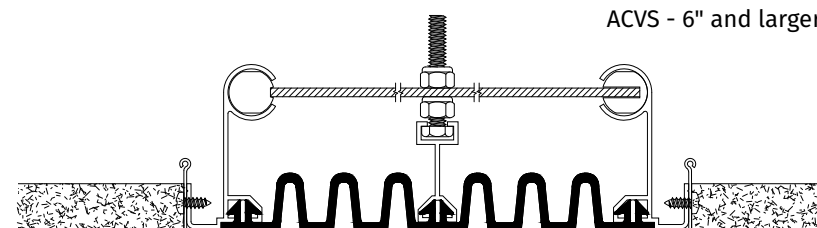


ACVSC - Ceiling-to-wall



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

JOINT SIZES

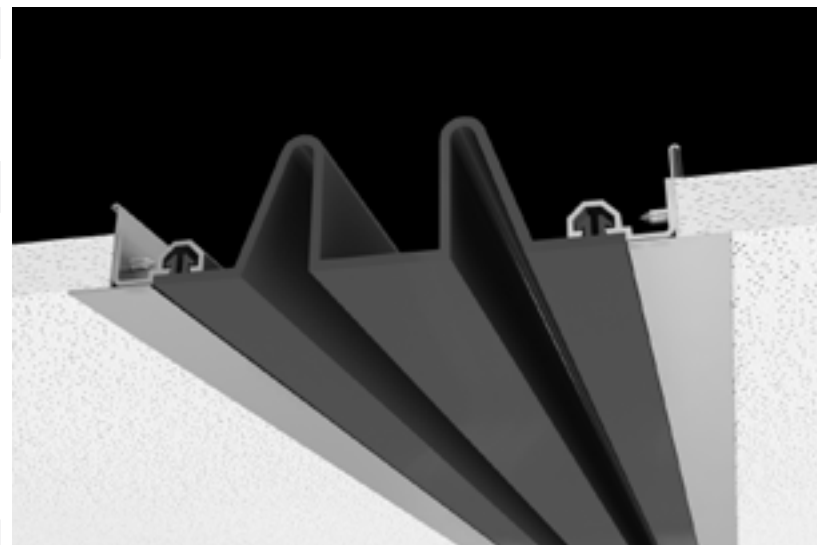
2-10"

MOVEMENT

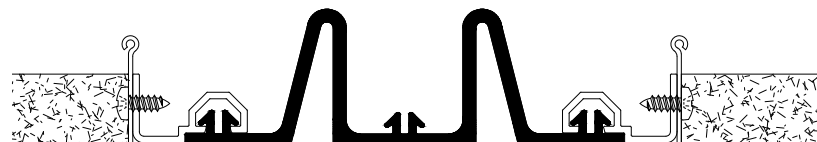
±50% Expansion/Contr.



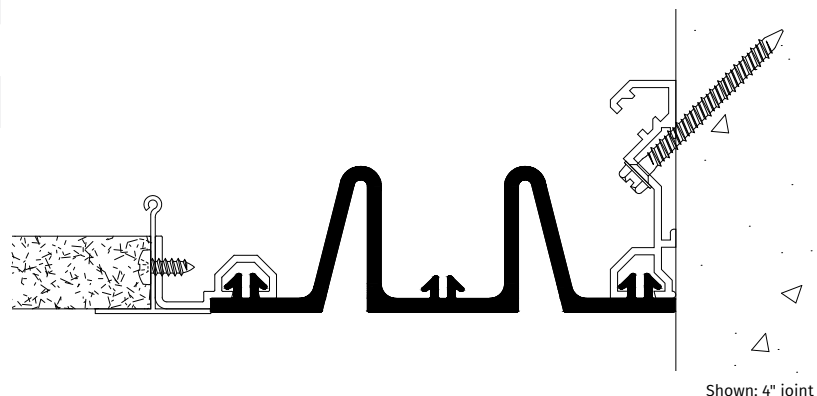
±100% Vertical Shear**



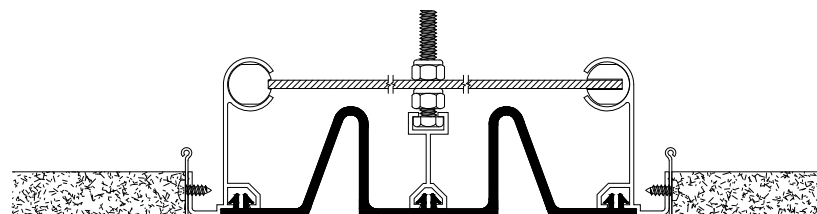
ACWW - Ceiling-to-ceiling



ACWC - Ceiling-to-wall



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

JOINT SIZES

2-10"

MOVEMENT

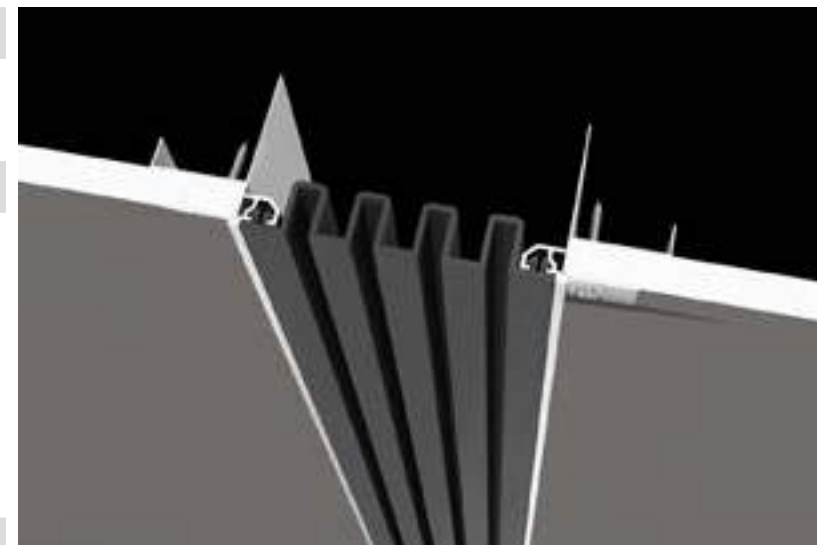
±100% Expansion/Contr.



±100% Lateral Shear**



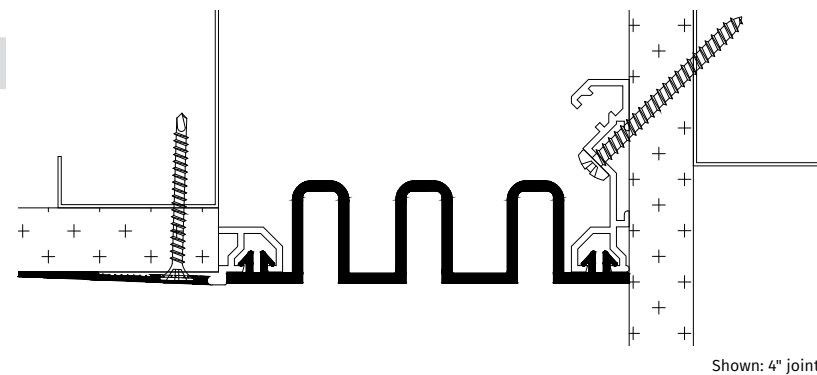
Vertical Shear (Contact Factory)



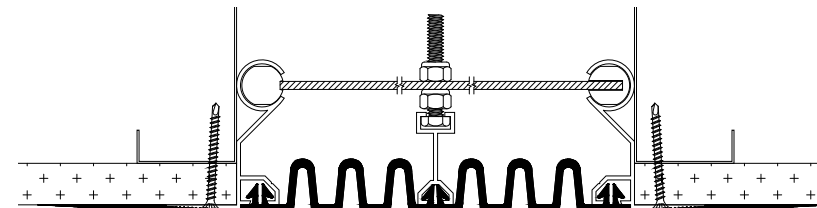
GCVS - Wall-to-wall



GCVSC - Wall-to-corner



GCVS - 6" and larger



*See details (page 93).
**Reduced for 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

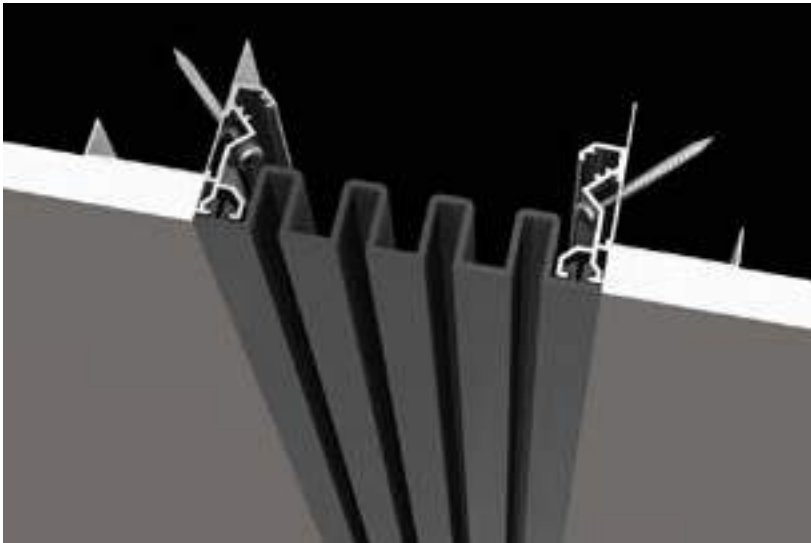
±100% Expansion/Contr.



±100% Lateral Shear**



Vertical Shear (Contact Factory)

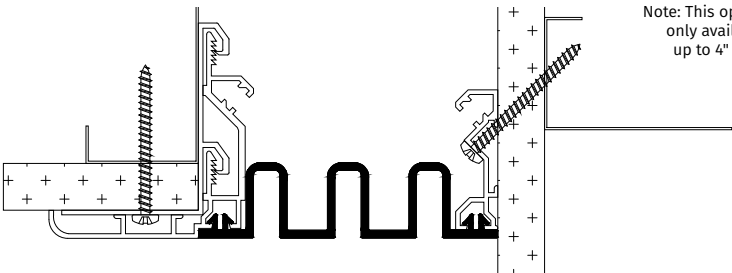


TCVS - Wall-to-wall



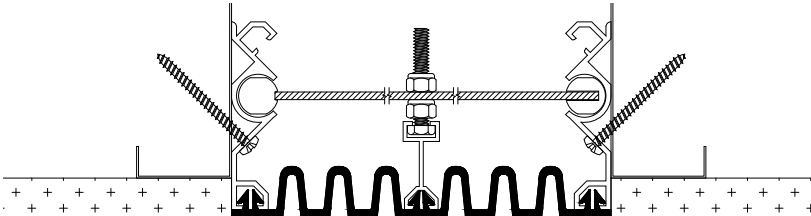
TCVSE - Wall-to-corner

Note: This option only available up to 4" joint



Shown: 4" joint

TCVS - 6" and larger



*See details (page 93).
**Excludes 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

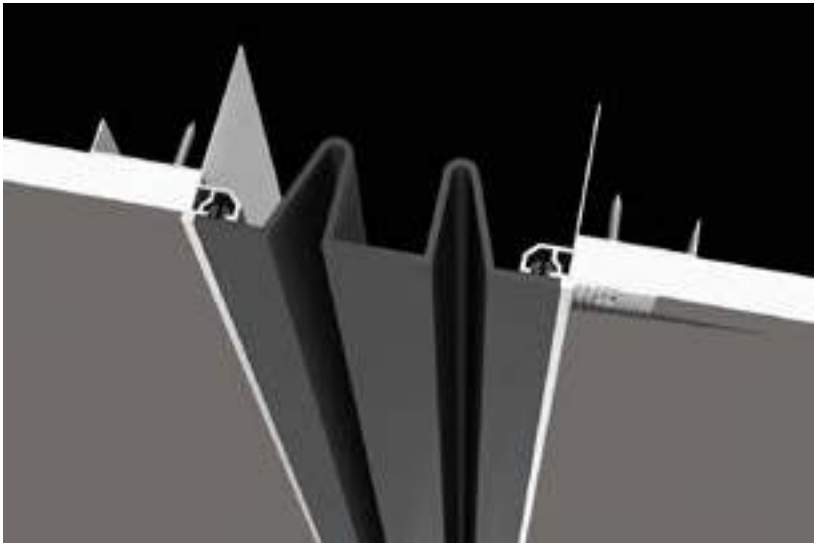
±50% Expansion/Contr.



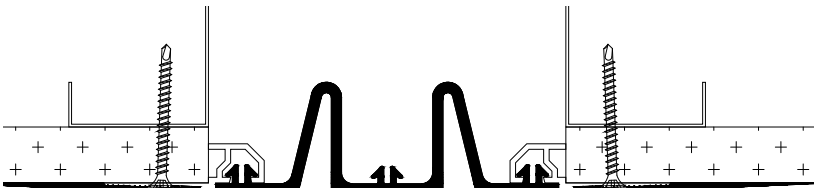
±50% Lateral Shear**



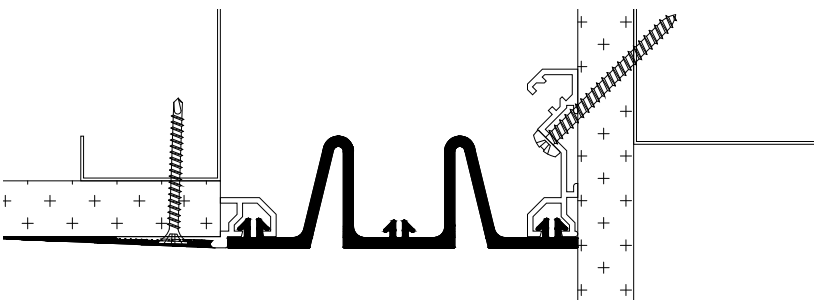
Vertical Shear (Contact Factory)



GCWW - Wall-to-wall

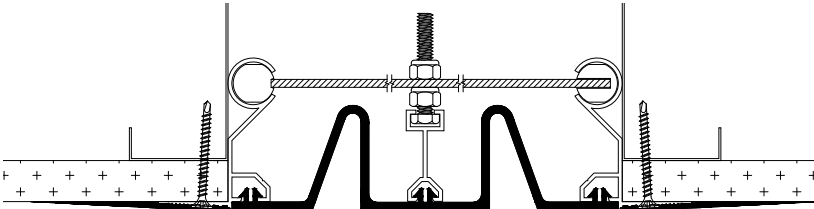


GCWC - Wall-to-corner



Shown: 4" joint

GCWW - 6" and larger



*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

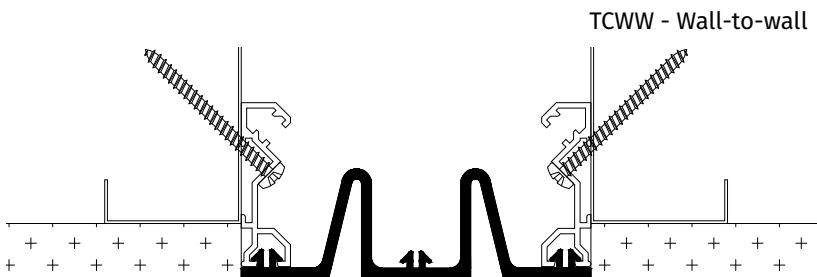
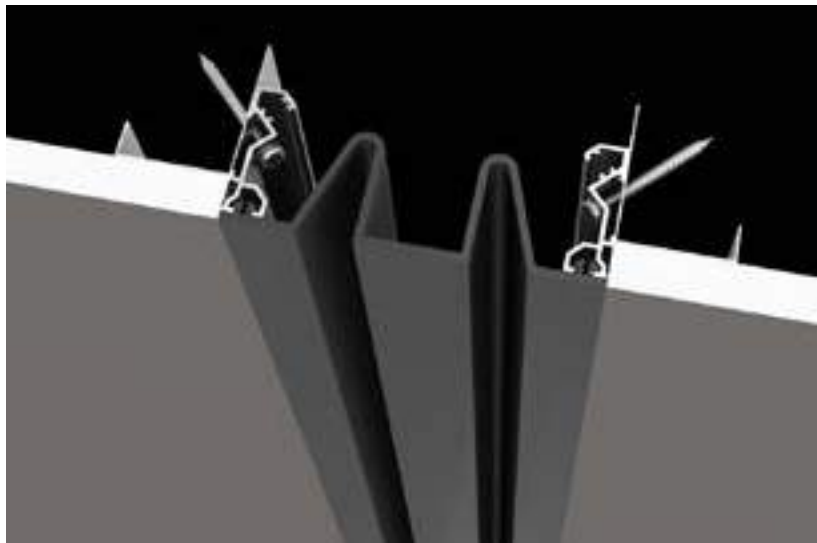
±50% Expansion/Contr.



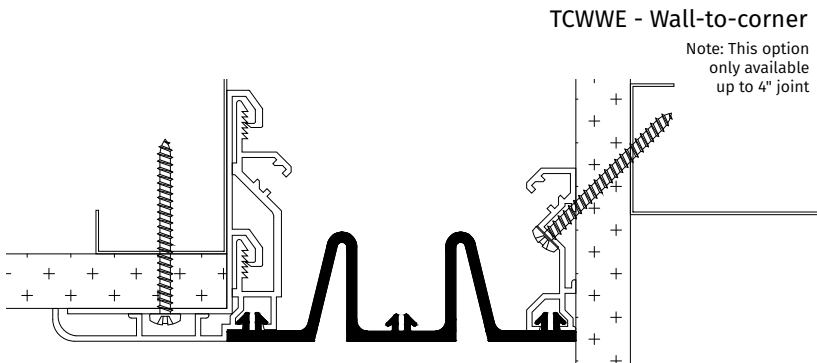
±50% Lateral Shear**



Vertical Shear (Contact Factory)



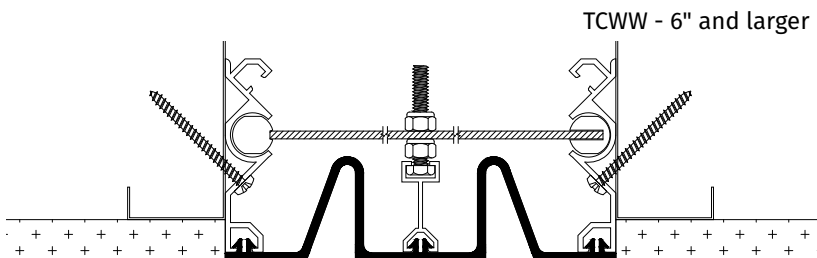
TCWW - Wall-to-wall



TCWWE - Wall-to-corner

Note: This option only available up to 4" joint

Shown: 4" joint



TCWW - 6" and larger

*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

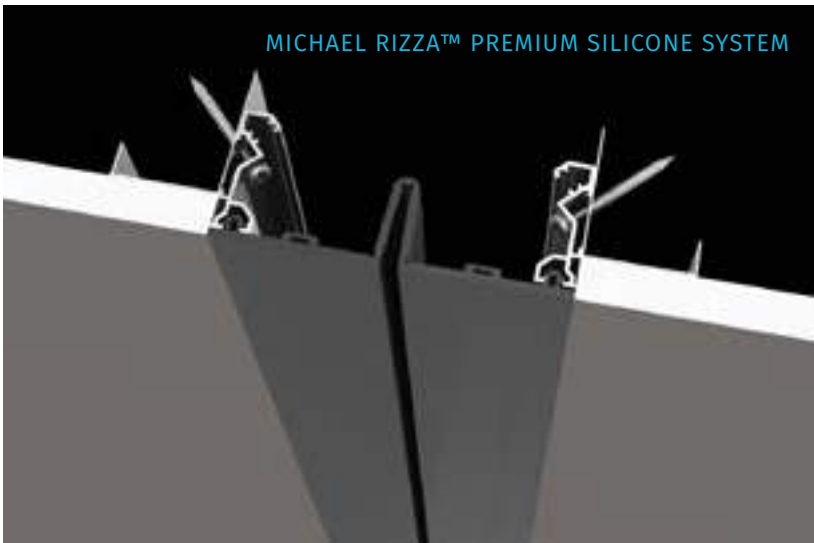
±50% Expansion/Contr.



±50% Lateral Shear**

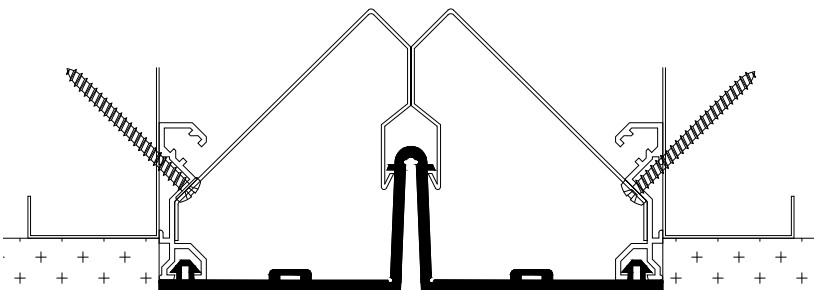


Vertical Shear (Contact Factory)



MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM

IS - Wall-to-wall



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

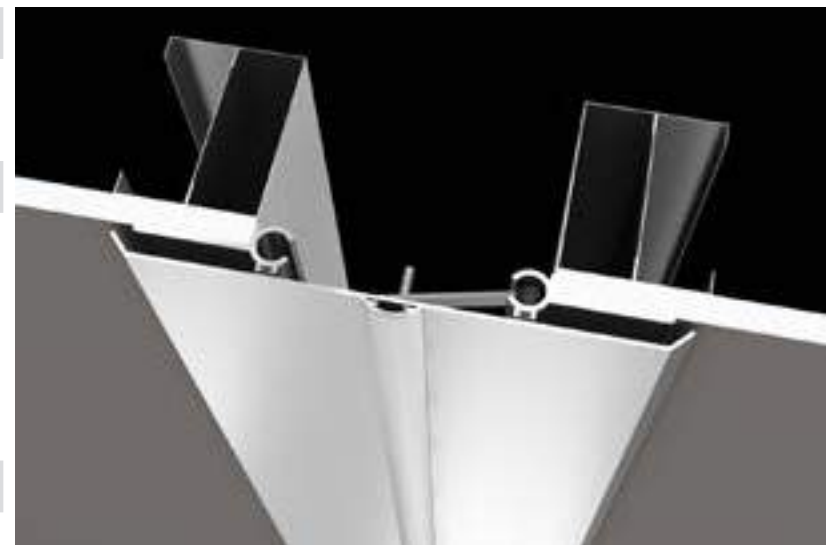
±50% to ±100% Expansion/Contr.



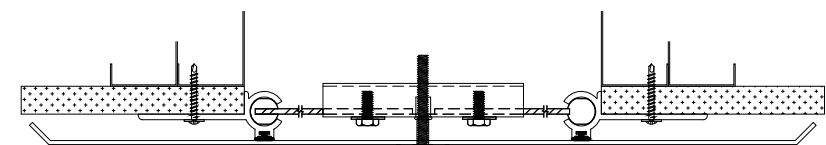
Lateral Shear (Contact Factory)



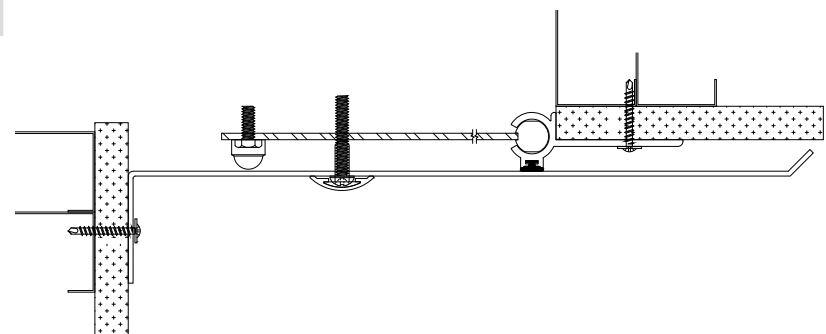
Vertical Shear (Contact Factory)



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

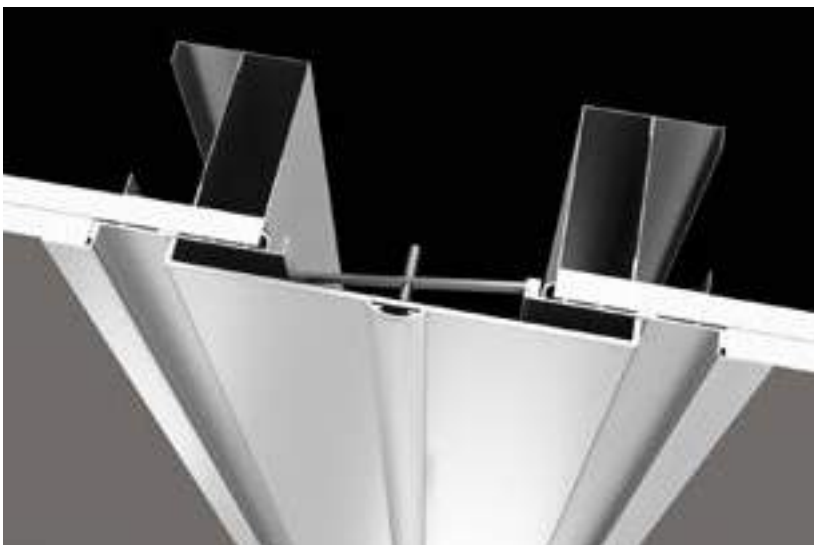
±50% to ±100% Expansion/Contr.



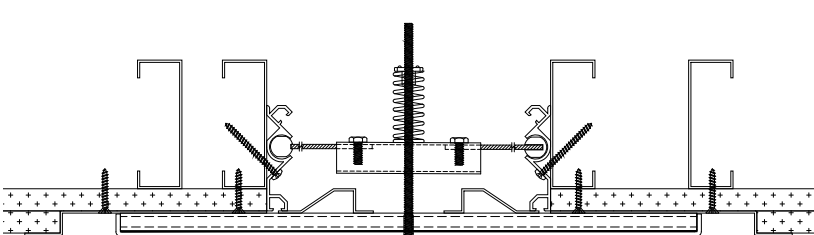
Lateral Shear (Contact Factory)



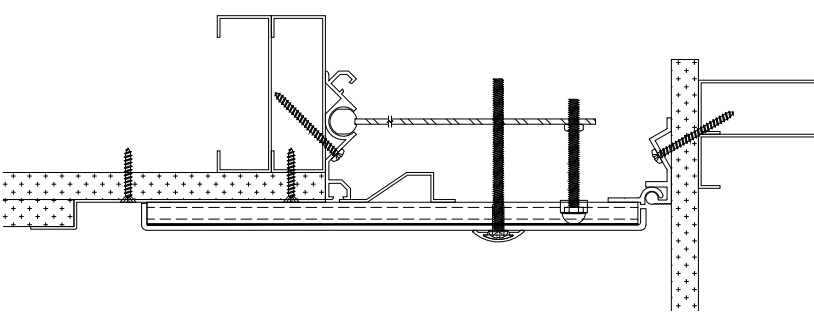
Vertical Shear (Contact Factory)



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

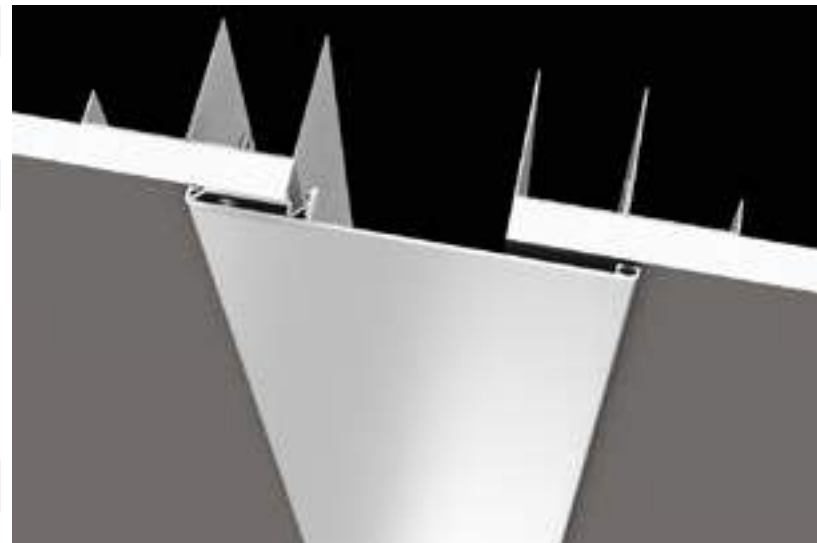
1-4"

MOVEMENT

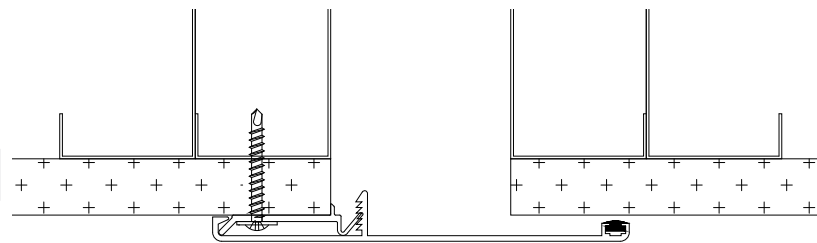
±50% Expansion/Contr.



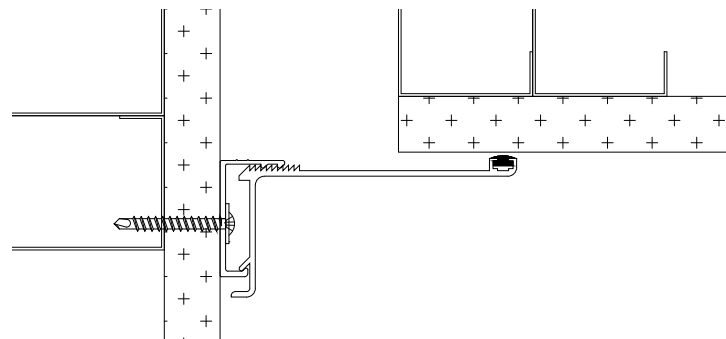
±50% to ±100% Vertical Shear



WD - Wall-to-wall



WDC - Wall-to-corner



Shown: 2" joint

Stainless steel versions: SSWD & SSWDC

*Subject to additional charges and extended lead times.

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

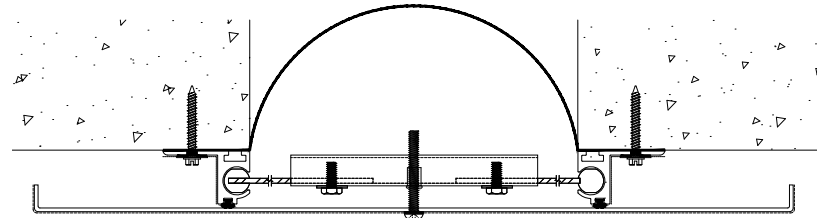
±50% to ±100% Expansion/Contr.



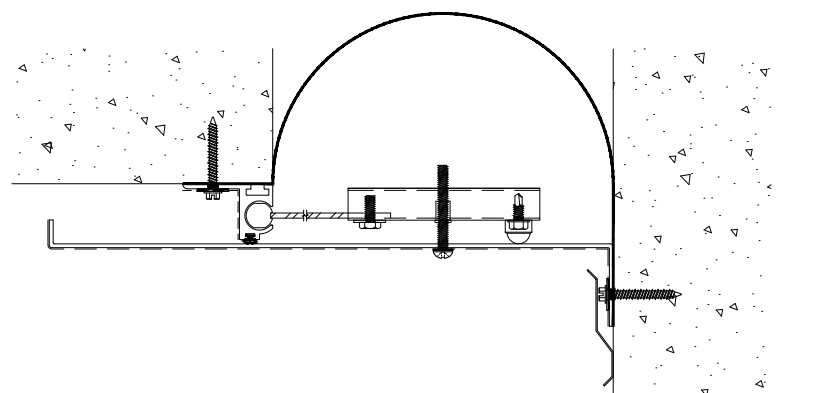
±50% to ±100% Vertical Shear**



9W - Wall-to-wall



9WC - Wall-to-corner



Shown: 8" joint

Stainless steel versions: SS9W & SS9WC

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.



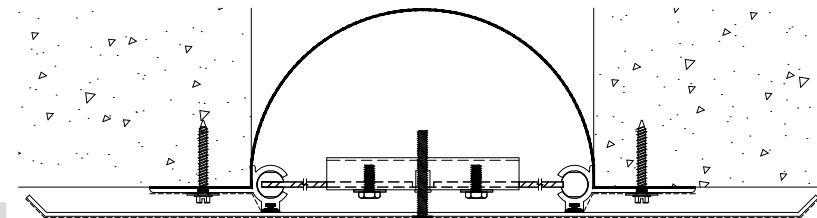
Lateral Shear (Contact Factory)



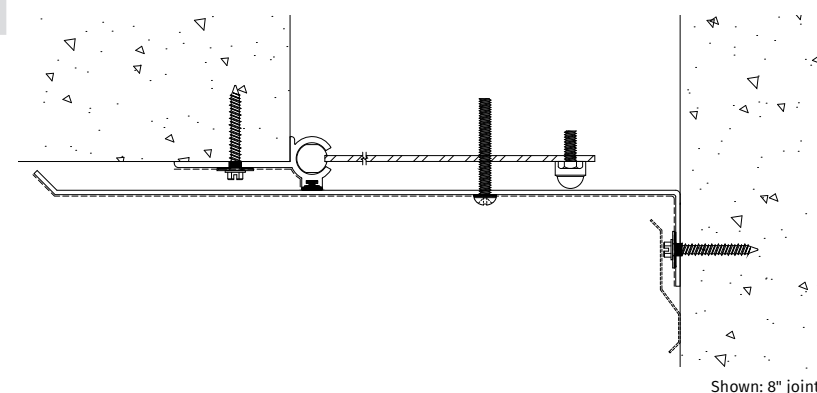
±50% to ±100% Vertical Shear



CMX - Wall-to-wall



CMXL - Wall-to-corner



Shown: 8" joint

Stainless steel versions: SSCMX & SSCMXL

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



EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
EXTERIOR WALLS
ELASTOMERIC SEAL SYSTEMS

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.



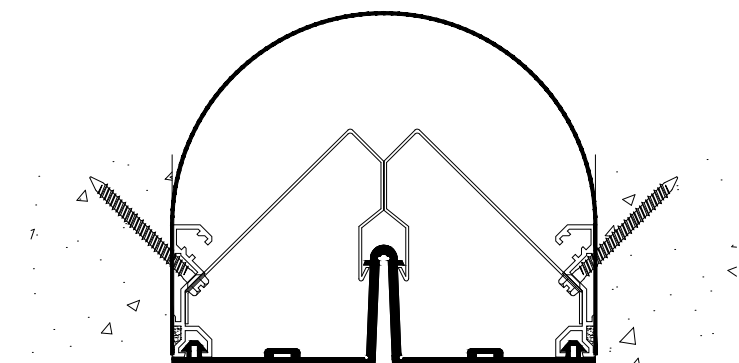
±50% Lateral Shear**



Vertical Shear (Contact Factory)



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

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

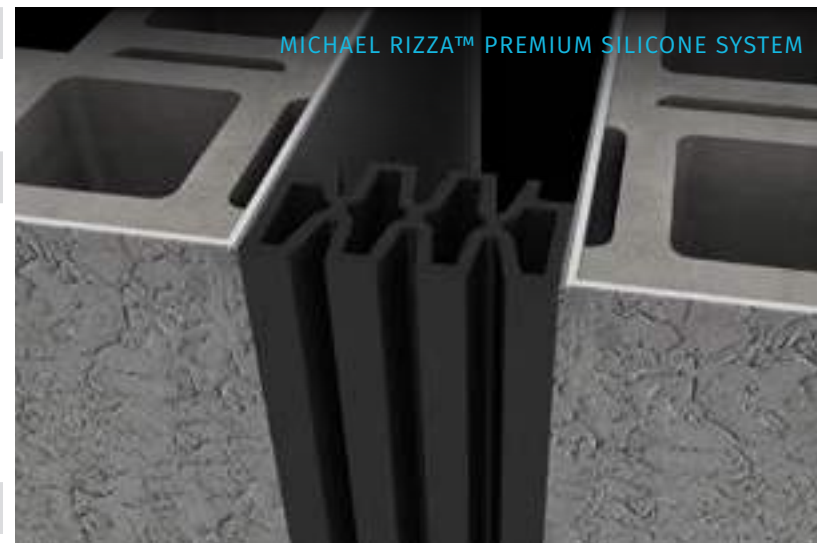
1-4"

MOVEMENT

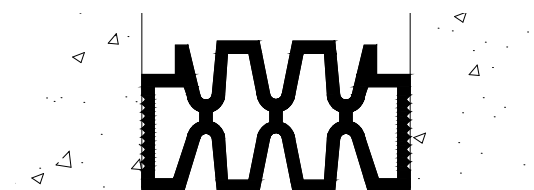
Expansion/Contr. (Contact Factory)



Lateral Shear (Contact Factory)



CE - Wall-to-wall



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

*See details (page 93).

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
EXTERIOR WALLS
ELASTOMERIC SEAL SYSTEMS

FCVS Flush Wall - 100% Movement

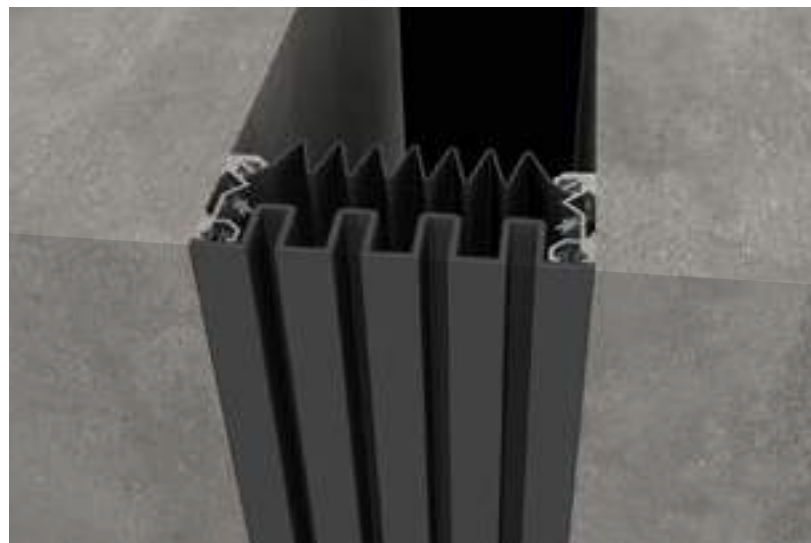


APPLICATION

- 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

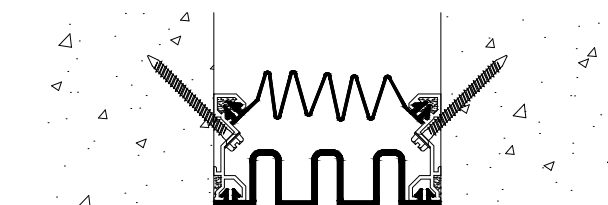
±100% Expansion/Contr.



±100% Lateral Shear**

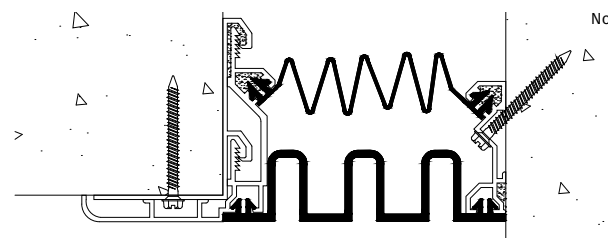


Vertical Shear (Contact Factory)

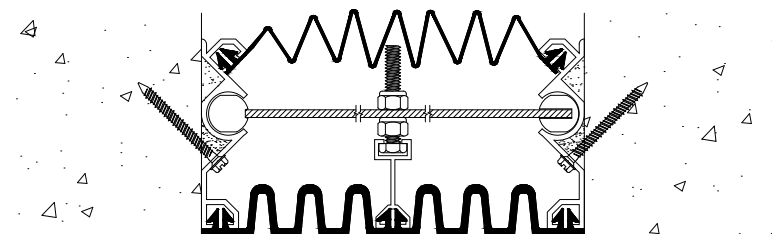


FCVSE - Wall-to-corner

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

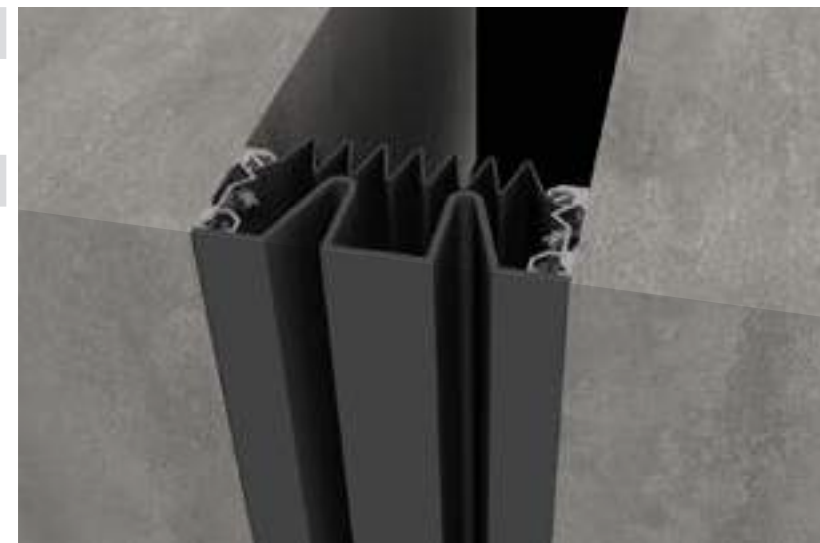


APPLICATION

- 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

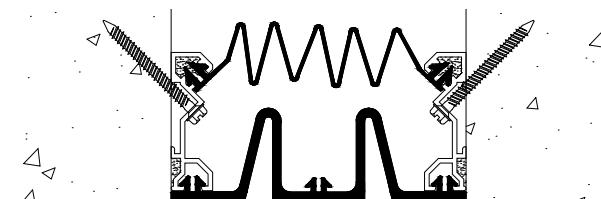
±50% Expansion/Contr.



±50% Lateral Shear**

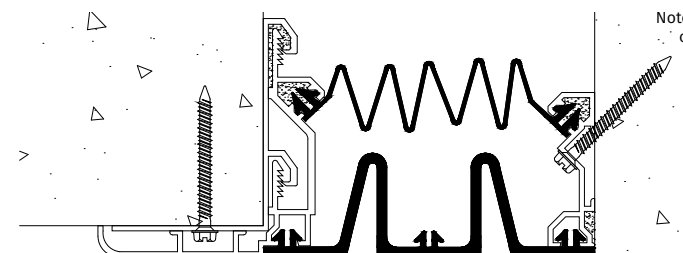


Vertical Shear (Contact Factory)

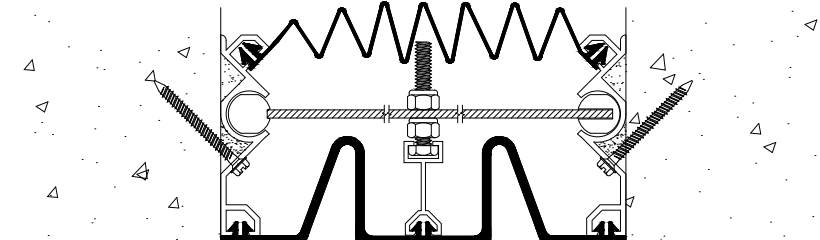


FCWWE - Wall-to-corner

Note: This option only available up to 4" joint



FCWW - 6" and larger



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



EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
EXTERIOR WALLS

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 <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



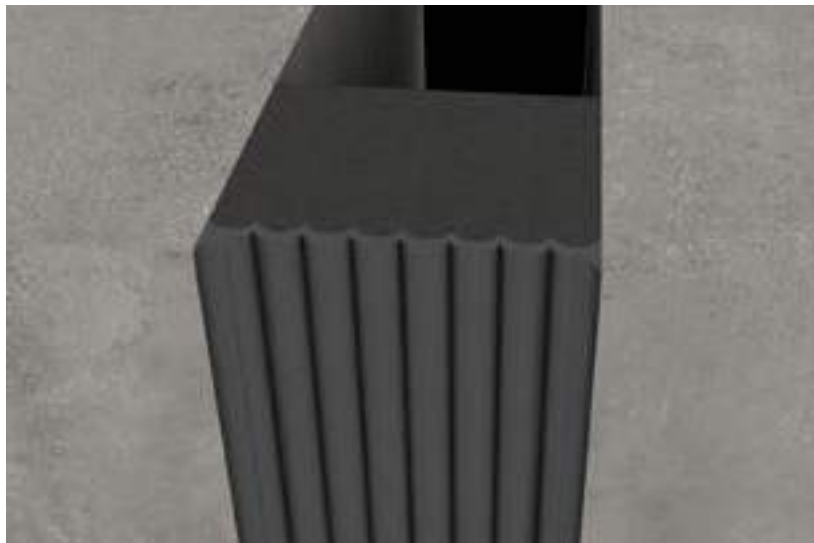
- Contributes to LEED® credits

JOINT SIZES

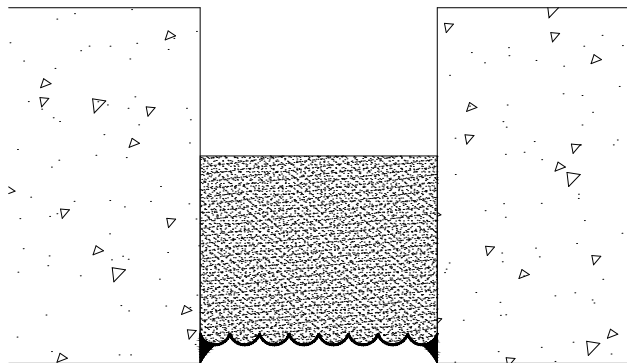
0.5-8"+

MOVEMENT

±50% Expansion/Contr.



BCSW - Wall-to-wall



Shown: 4" joint

EXPANSION JOINT SYSTEMS
ARCHITECTURAL SYSTEMS
EXTERIOR WALLS
FOAM SEAL SYSTEMS

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 <.02lbs/ft² per ASTM D1499
- Seismic, thermal and wind movement per ASTM E1399 standard



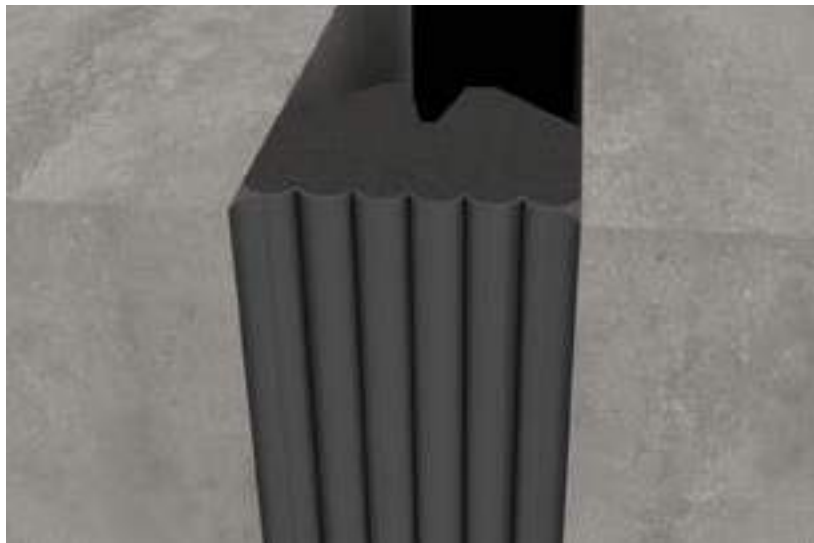
- Contributes to LEED® credits

JOINT SIZES

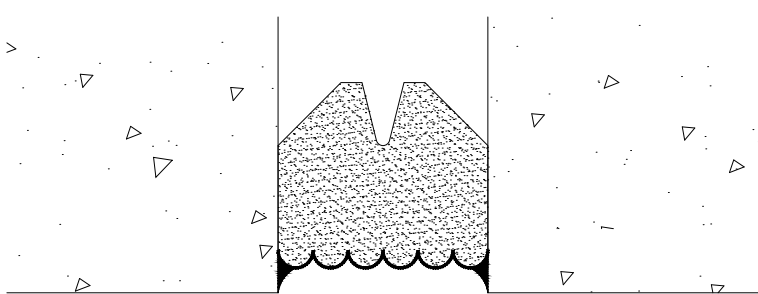
0.5-6"+

MOVEMENT

±25% Expansion/Contr.



BCSWE - Wall-to-wall



Shown: 4" joint

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

*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 <0.01 cfm/ft² per ASTM E 283
- 12 psf water resistance per ASTM E331
- Seismic, thermal and wind movement per ASTM E1399 standard



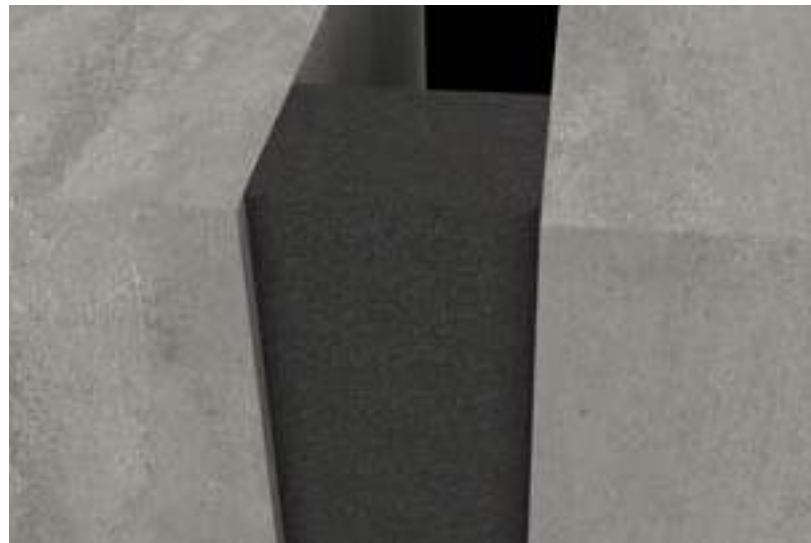
- Contributes to LEED® credits

JOINT SIZES

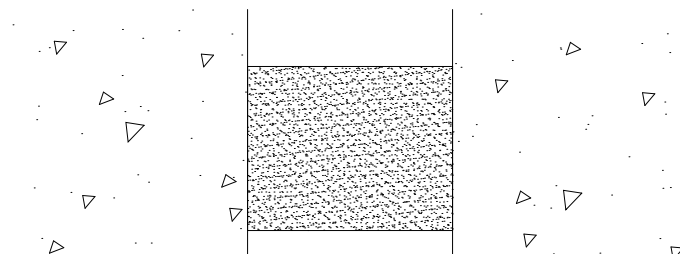
0.5-6"+

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

JOINT SIZES

2-18"

MOVEMENT

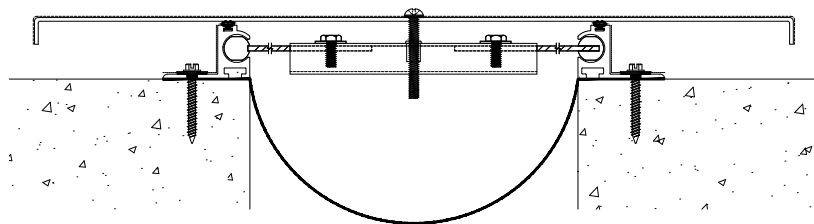
±50% to ±100% Expansion/Contr.



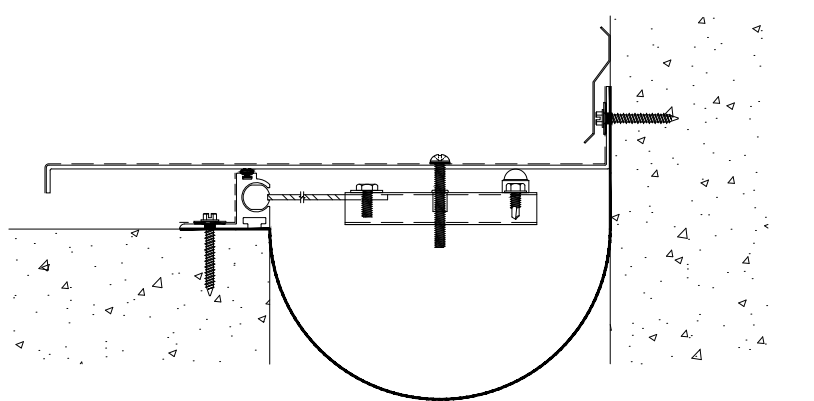
±50% to ±100% Lateral Shear**



±50% to ±100% Vertical Shear



9WC - Roof-to-wall



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

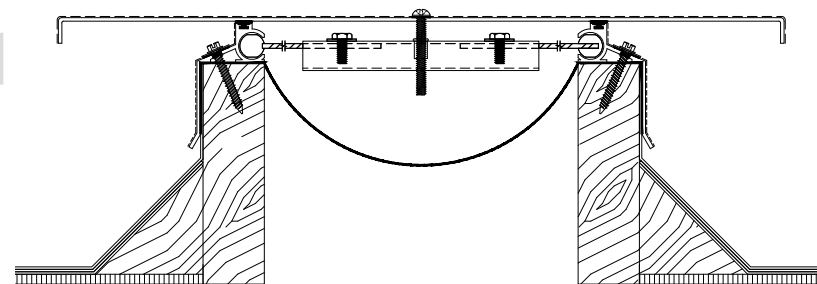
1-18"

MOVEMENT

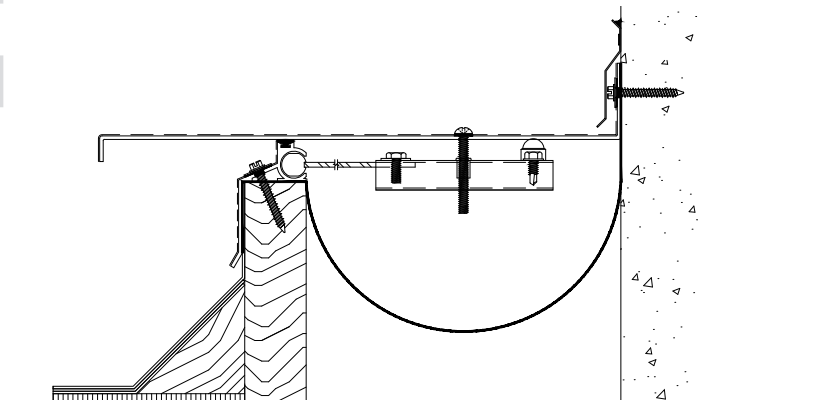
±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear**



FRE - Roof-to-wall



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

PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

JOINT SIZES

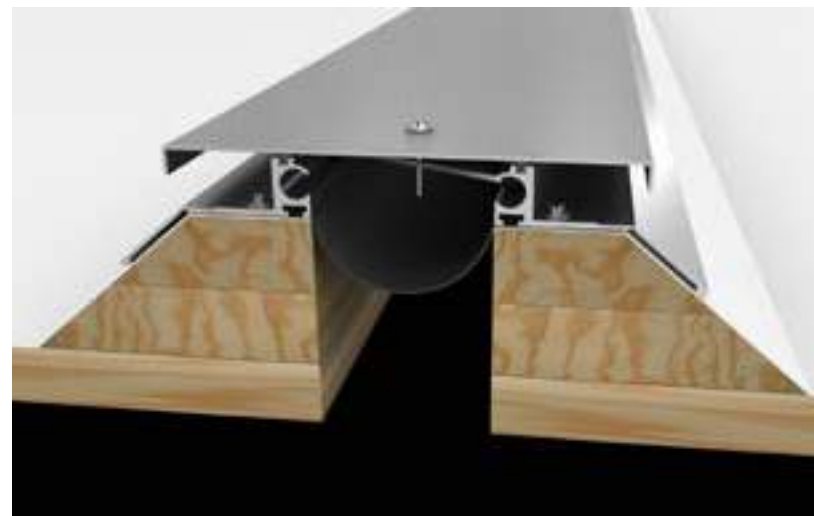
1-18"

MOVEMENT

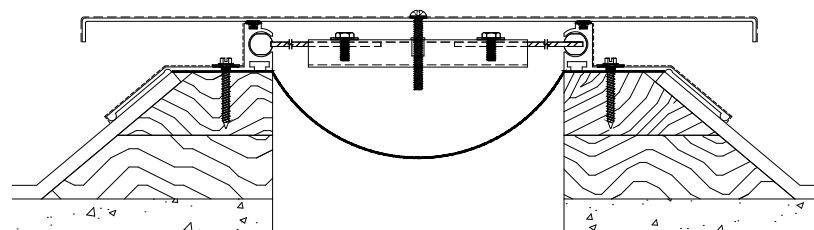
±50% to ±100% Expansion/Contr.



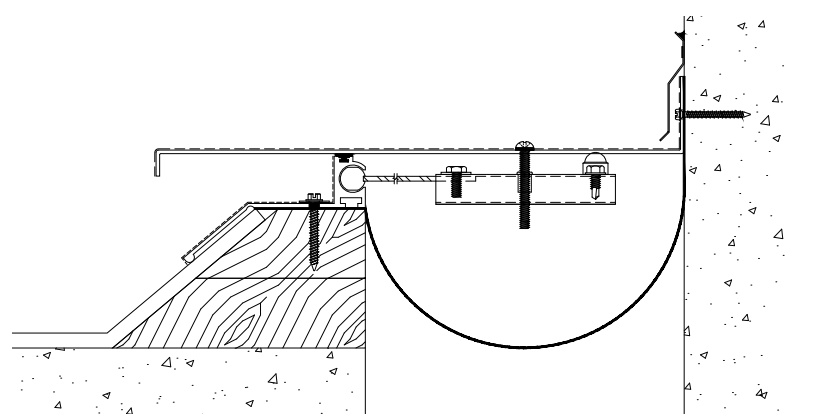
±50% to ±100% Lateral Shear**



LPR - Roof-to-roof



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

PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

JOINT SIZES

2-24"

MOVEMENT

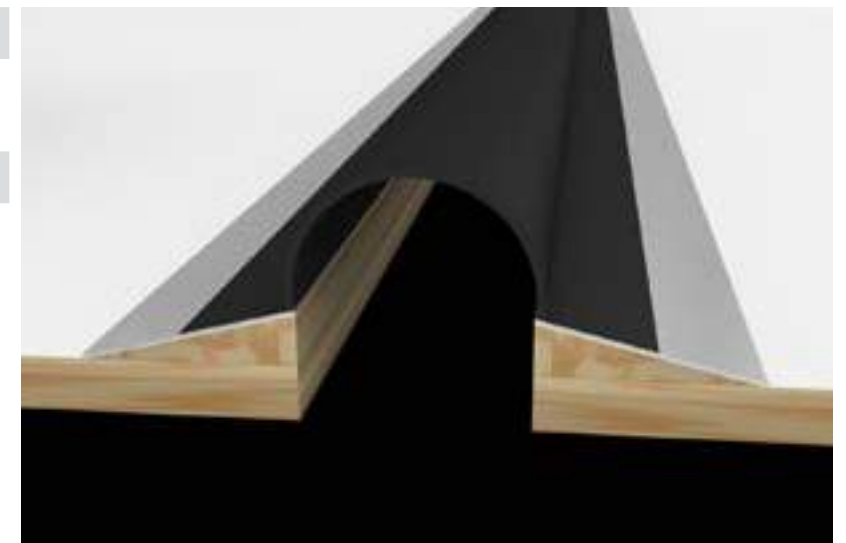
±50% to ±100% Expansion/Contr.



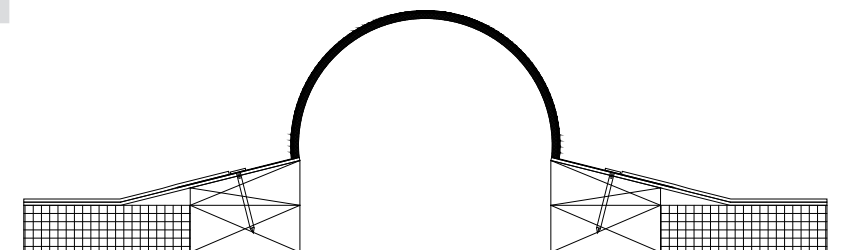
Lateral Shear (Contact Factory)



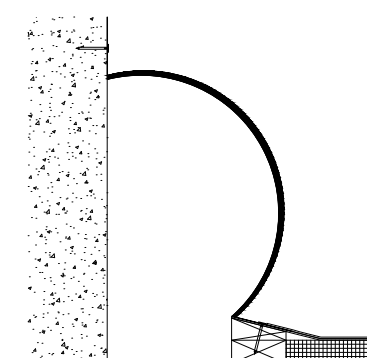
±50% to ±100% Vertical Shear



BRB - Roof-to-roof



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

PERFORMANCE

- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

JOINT SIZES

2-12"+

MOVEMENT

±50% Expansion/Contr.



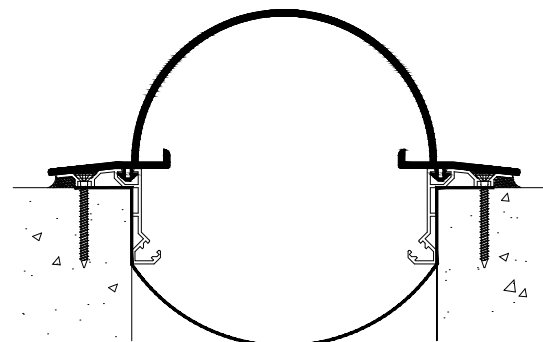
±50% Vertical Shear



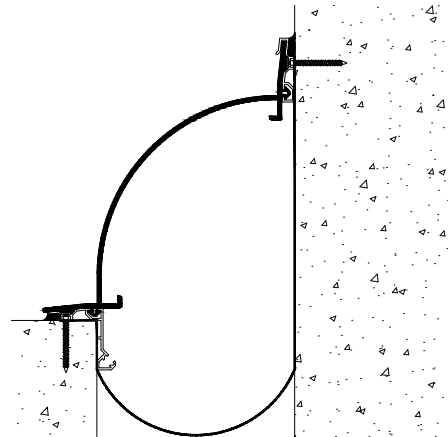
MICHAEL RIZZA™ PREMIUM SILICONE SYSTEM



RRg - Roof-to-roof



RWg - Roof-to-wall



Shown: 6" joint

PARKING & OPEN-AIR SYSTEMS

*See details (pages 92-95).

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.



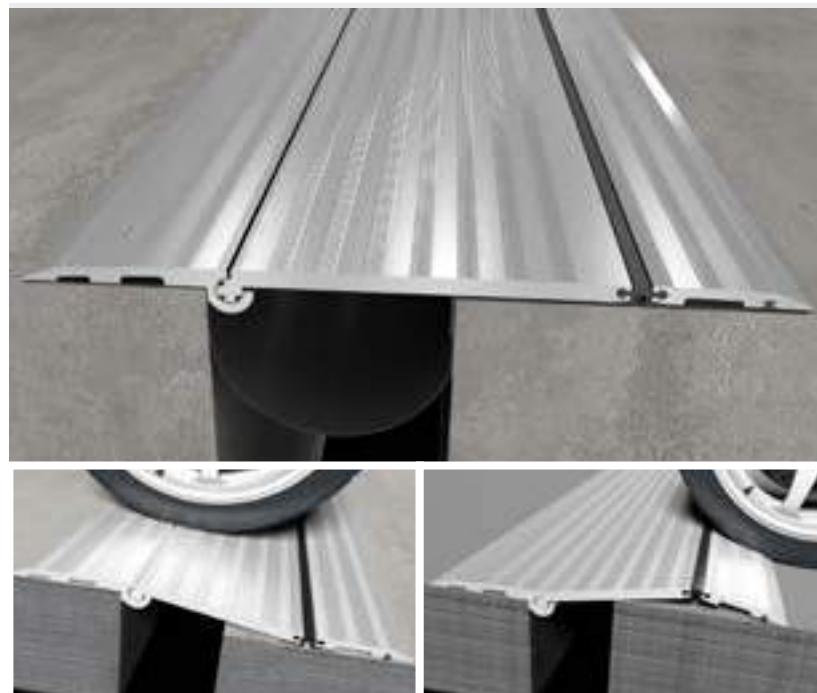
±100% Lateral Shear



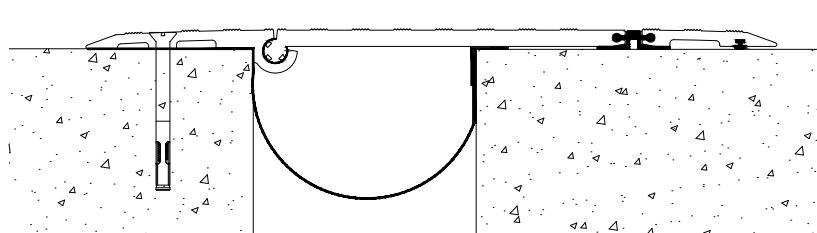
1" Vertical Shear

**LOAD**

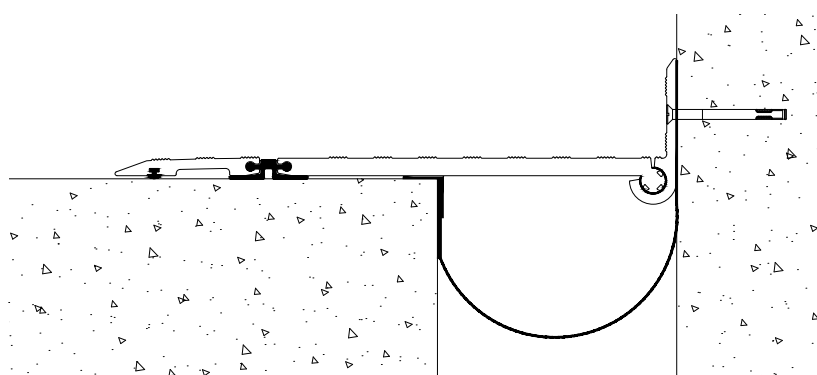
Pedestrian through Slow Vehicular*



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.



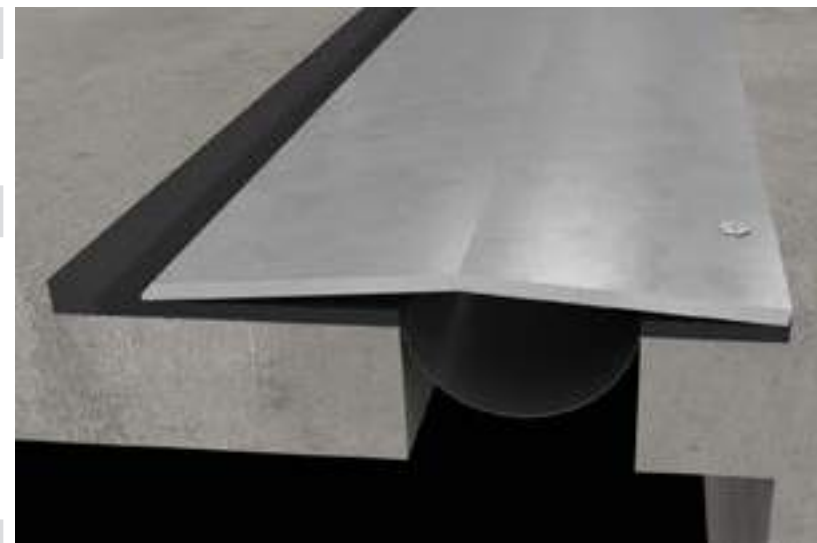
±50% to ±100% Lateral Shear



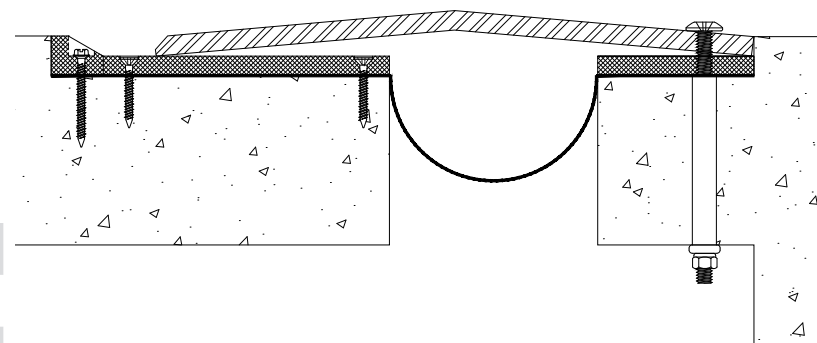
Vertical Shear (Contact Factory)

**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

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

JOINT SIZES

2-12"+

MOVEMENT

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

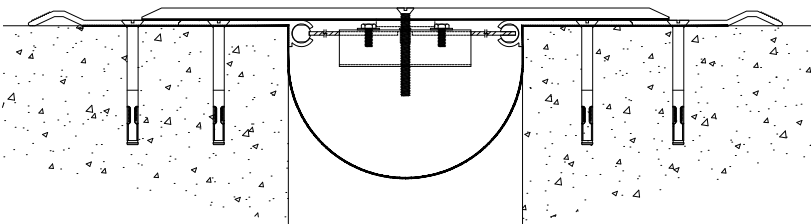


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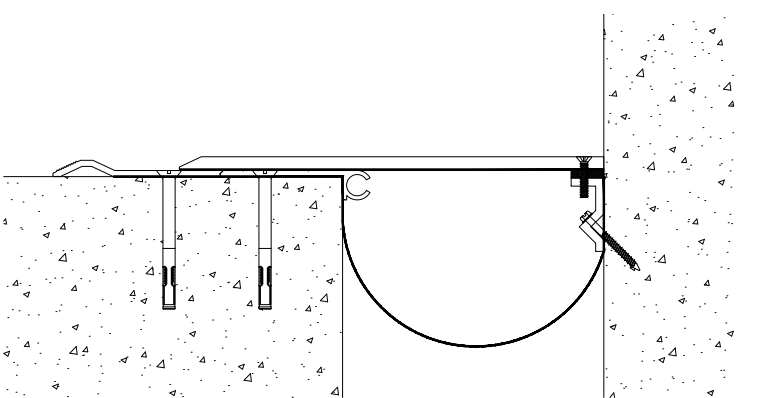
Pedestrian through Slow Vehicular*



SM - Floor-to-floor



SML - Floor-to-wall



Shown: 8" 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

JOINT SIZES

4-12"+

MOVEMENT

±50% to ±100% Expansion/Contr.



±50% to ±100% Lateral Shear



Vertical Shear (Contact Factory)

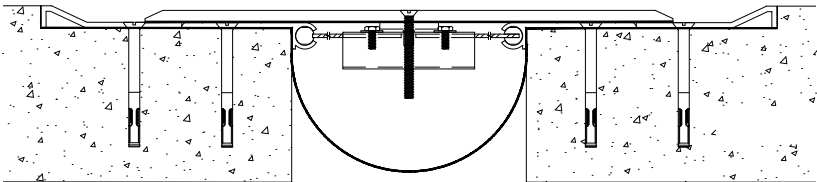


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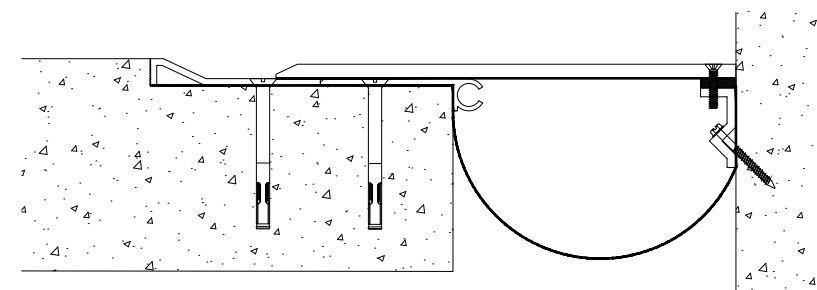
Pedestrian through Slow Vehicular*



SBP - Floor-to-floor



SBPL - Floor-to-wall



Shown: 8" 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)

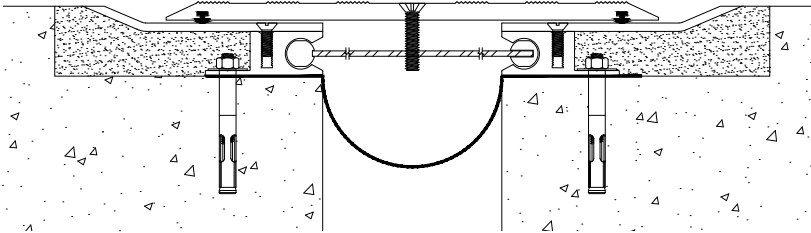


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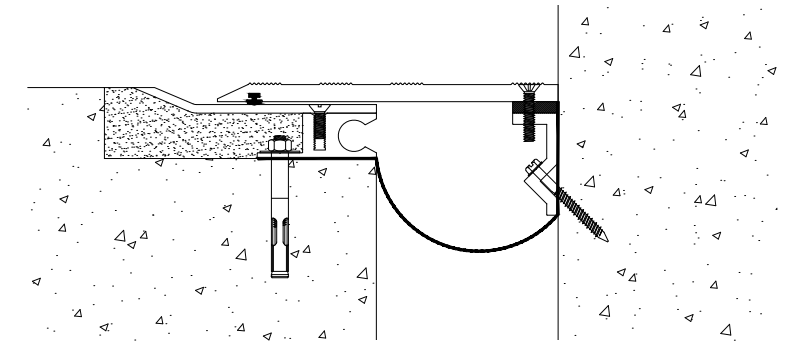
Pedestrian through Slow Vehicular*



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
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)

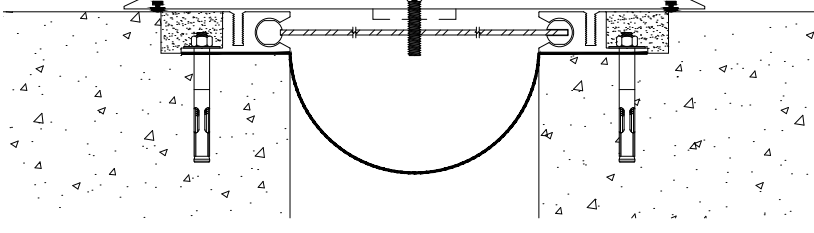


LOAD

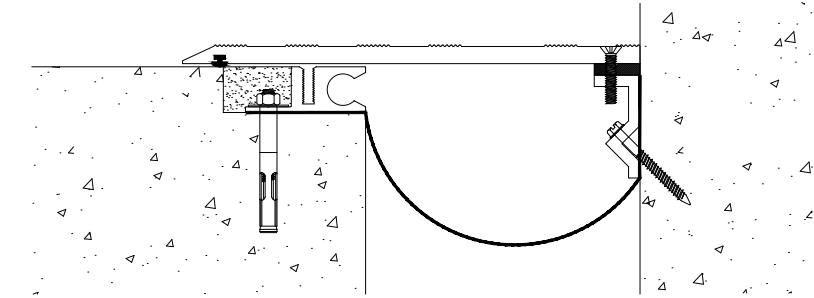
Pedestrian through Slow Vehicular*



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 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)

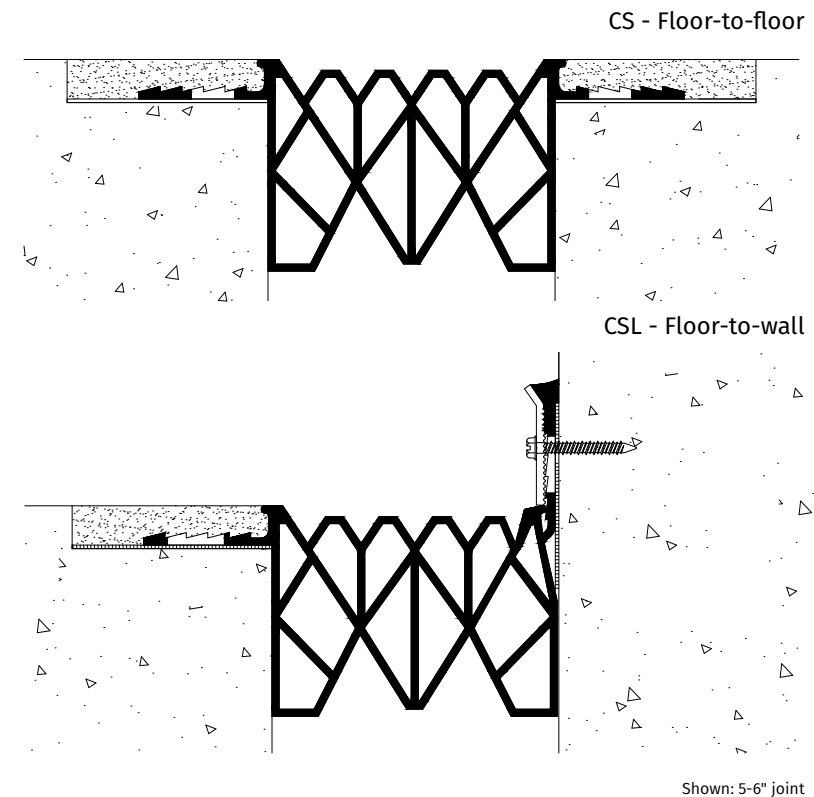


Vertical Shear (Contact Factory)



LOAD

Pedestrian through Slow Vehicular***



Shown: 5-6" joint

*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)

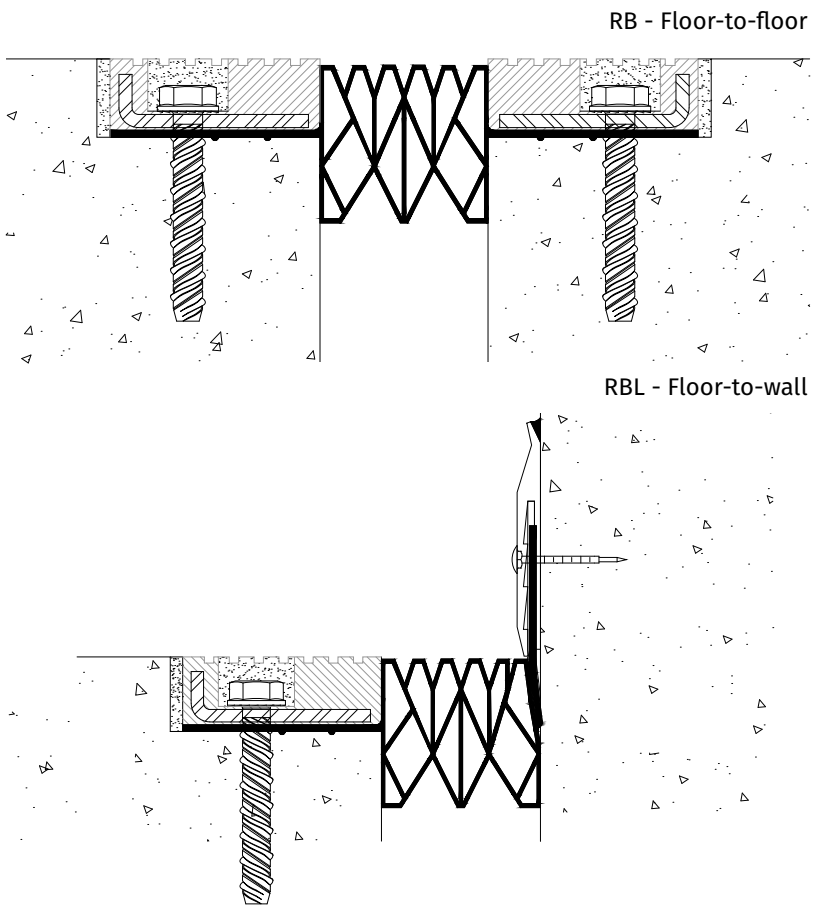


Vertical Shear (Contact Factory)



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)

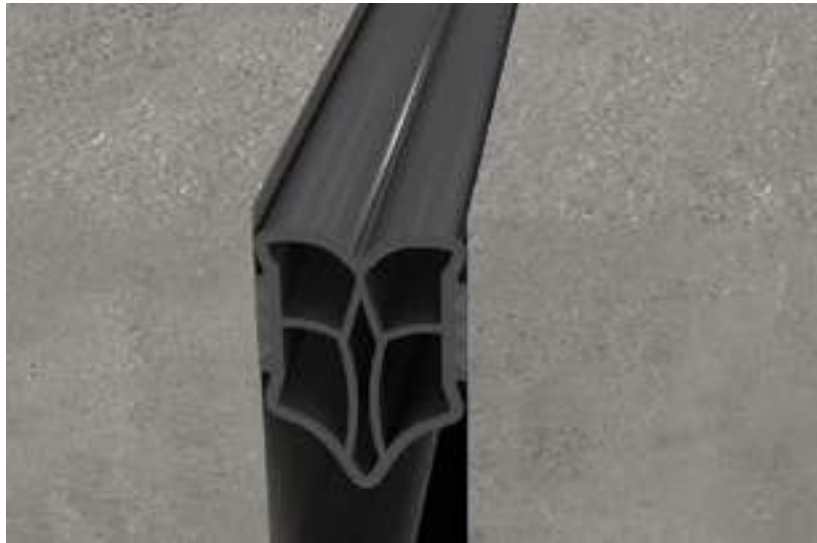


Vertical Shear (Contact Factory)

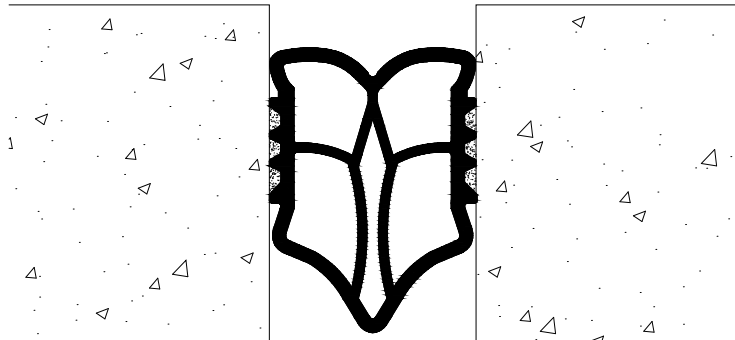


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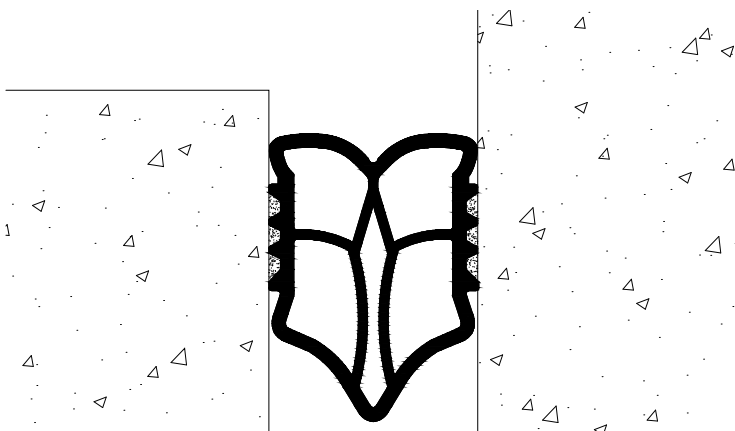
Pedestrian through Slow Vehicular**



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)

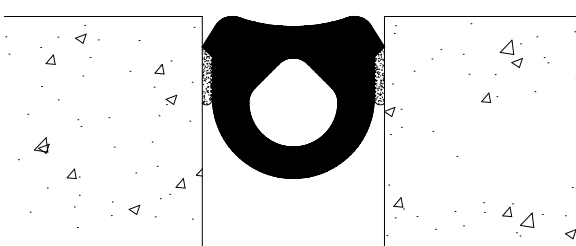


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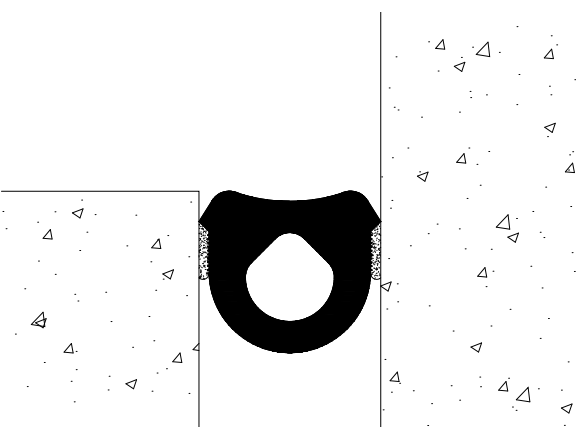
Pedestrian**



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

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.

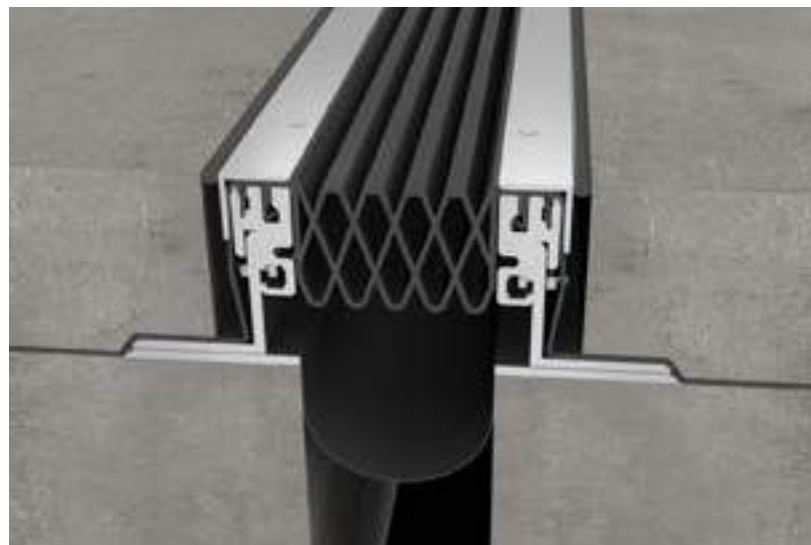


Vertical Shear (Contact Factory)

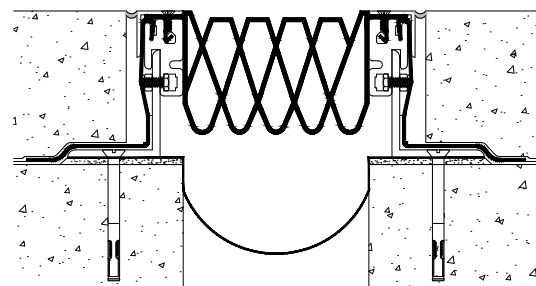


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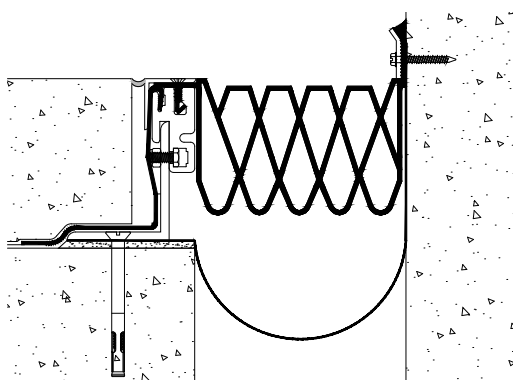
Pedestrian**



SSPD - Floor-to-floor



SSPDL - Floor-to-wall



Shown: 6" joint

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

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.

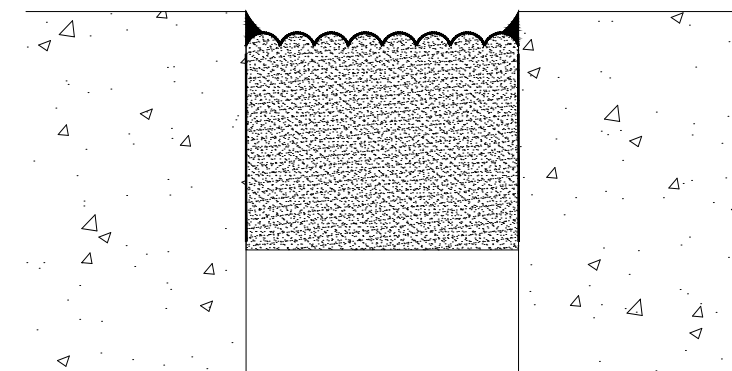


LOAD

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 DETAILS

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/ft² per ASTM D3575
- Seismic, thermal and wind movement per ASTM E1399 standard



- Contributes to LEED® credits

JOINT SIZES

0.5-4"

MOVEMENT

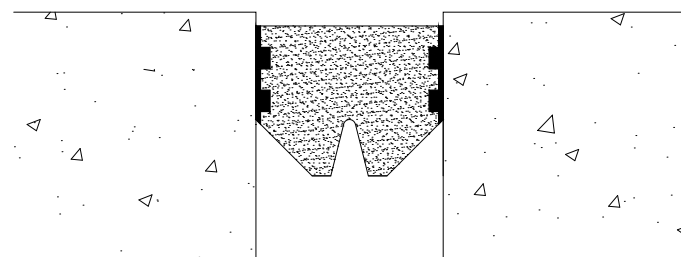
±25% Expansion/Contr.

**LOAD**

Pedestrian through Slow Vehicular**



BHFE - Floor-to-floor



*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.

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.



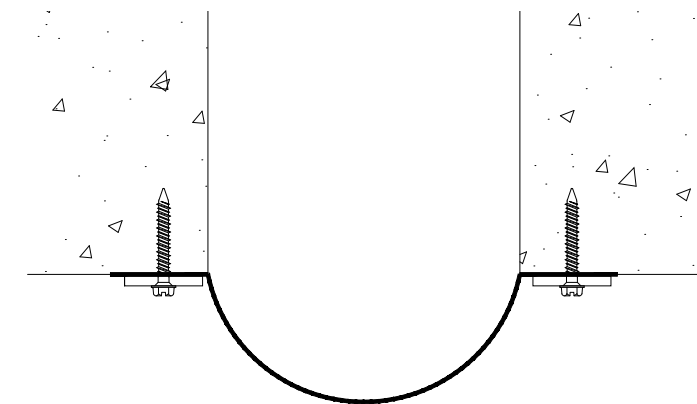
±50% to ±100% Lateral Shear



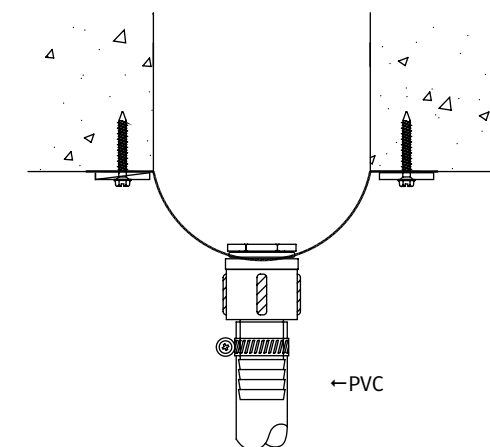
±50% to ±100% Vertical Shear



WB



Shown: 1" joint

Drain Assembly Option



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

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.

Hartford Green	Interstate Green	Aged Copper	Royal Blue	Denim Blue	Milano Blue	Bone White
White Stone	Surrey Beige	Seal Brown	Dark Bronze	Brick Red	River Rouge Red	Boysenberry

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.

Carbonite	Midnight Blue	Midnight Patina	Seafoam Green	Weathered Copper	Gold Nugget	Copper
Meteor Gray	Silverado	Bright Silver	Dark Bronze	Medium Bronze	Light Bronze	Champagne

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

Accent Red	Cardinal Red	BP Green	Berkeley Blue	Postal Blue	Golden Rod	Sunspot

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

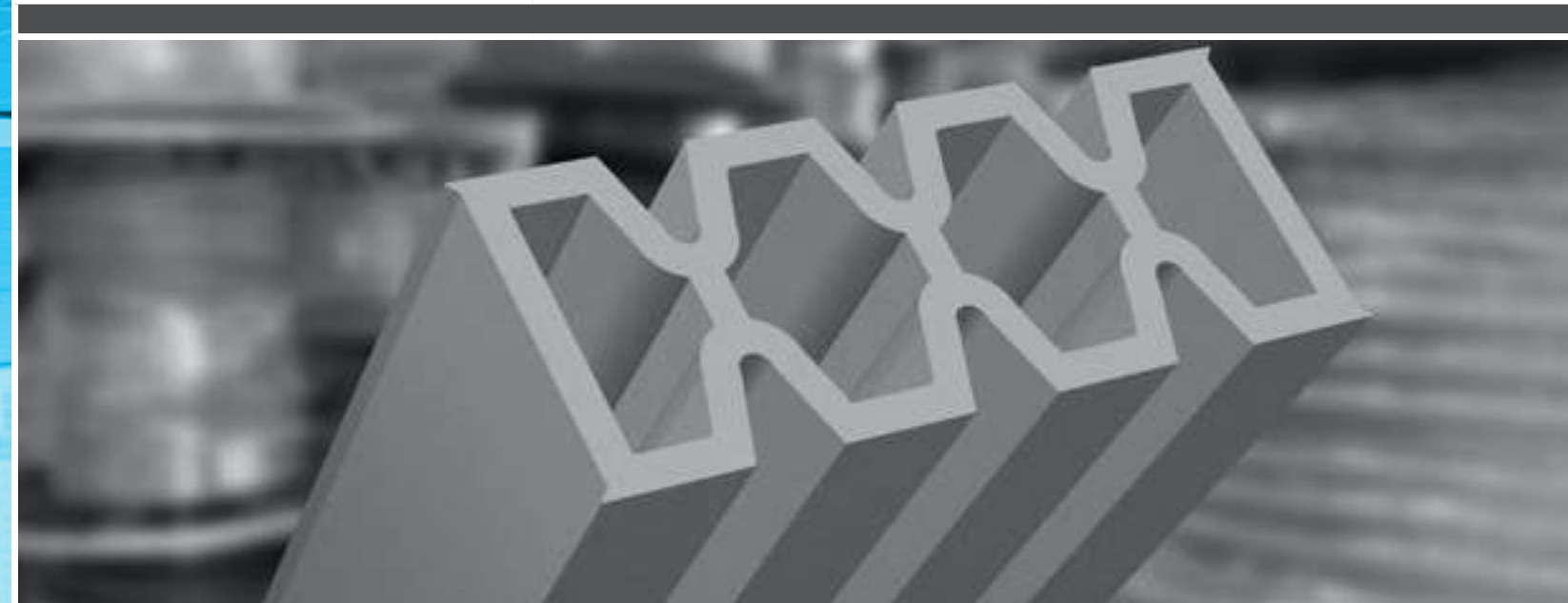
Pewter	Dark Bronze	Medium Bronze	Copper	Champagne Gold	Seafoam Green	Silver

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



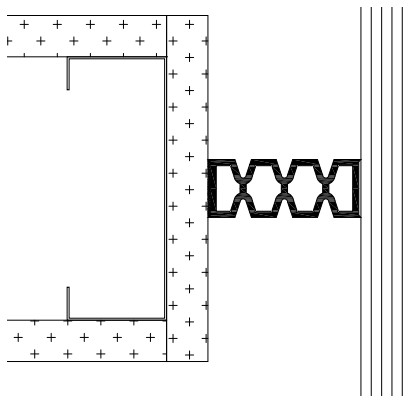
- Sound reduction qualities of up to STC-58 (for double install)
- Contributes to LEED® credits

JOINT SIZES

2"

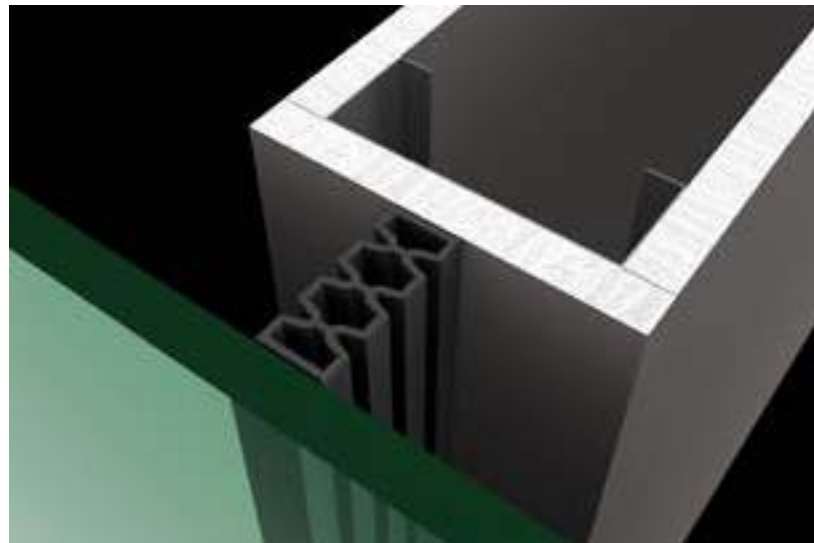
MOVEMENT

±20% to 25%* Expansion/Contr.



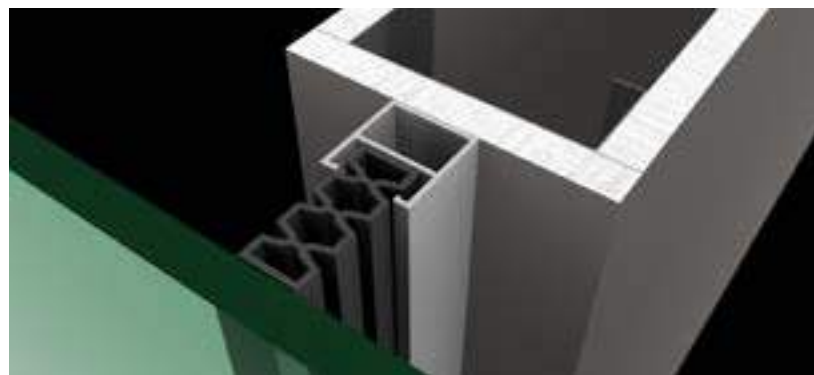
PCS-1

Seal Only



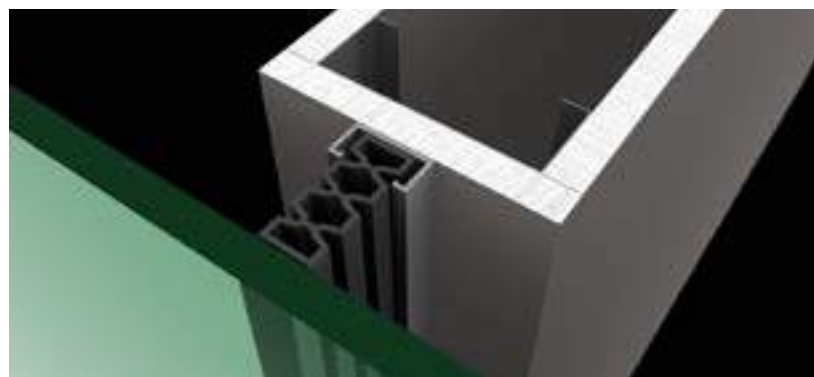
PCS-1B

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

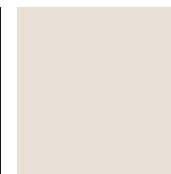
STANDARD

OTHER

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



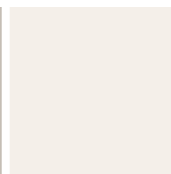
Black



Precast White



Limestone



White



Natural Stone



Gray



Bronze



Sandstone



Adobe Tan



Dusty Rose



Rustic Brick



Blue Spruce



Charcoal

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®

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



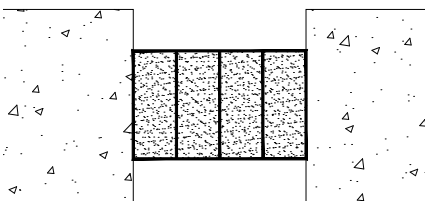
- Contributes to LEED® credits

JOINT SIZES

1-4"*

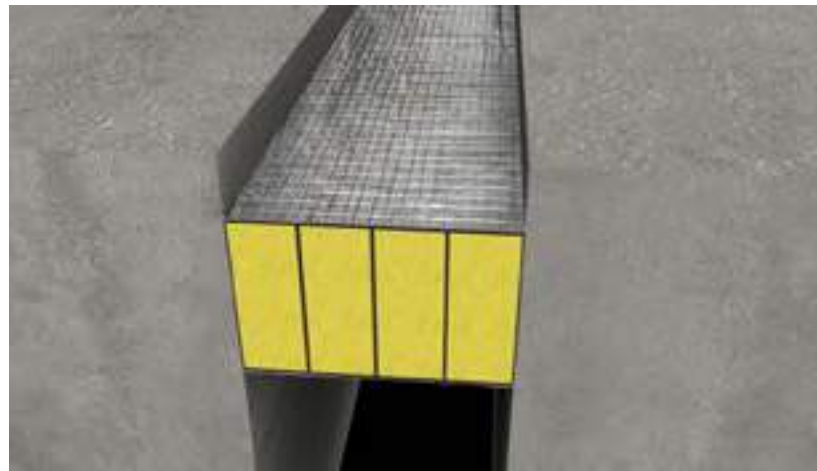
MOVEMENT

±50% to ±100% Expansion/Contr.



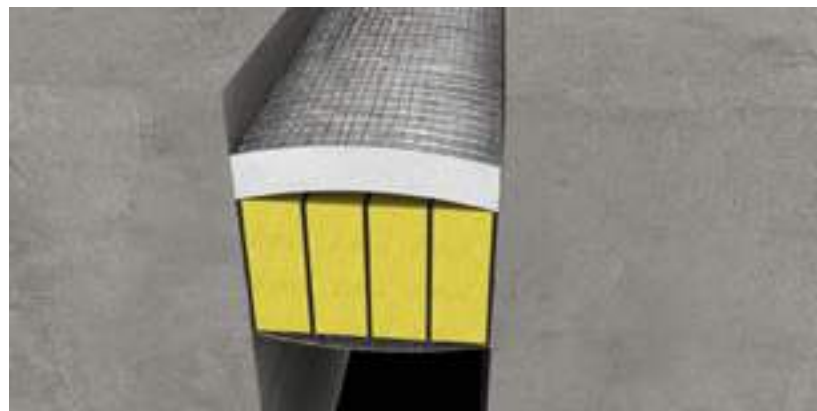
MBF2H

2 Hour



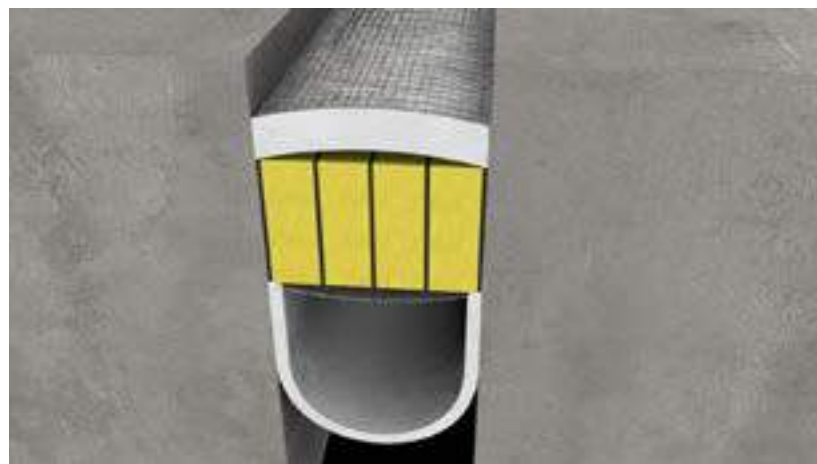
MBF3H

3 Hour



MBF4H

4 Hour



*Joint size availability varies slightly between products.

FIRE BARRIERS FLOOR SYSTEMS METAMAT™

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"

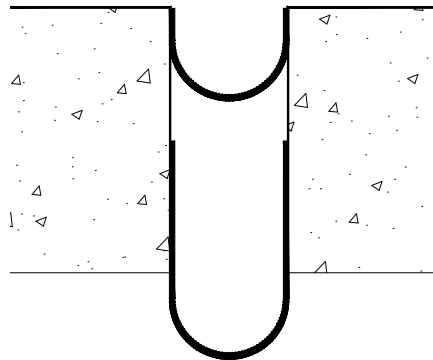
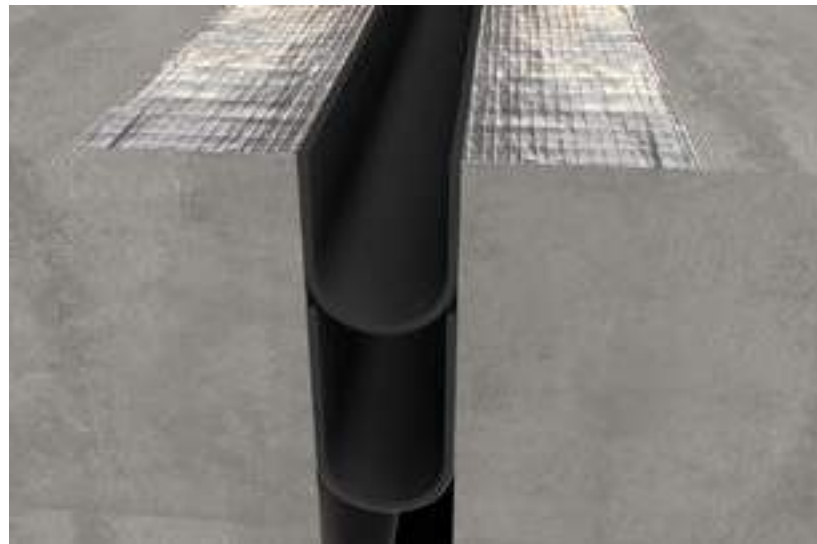
MOVEMENT

±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"

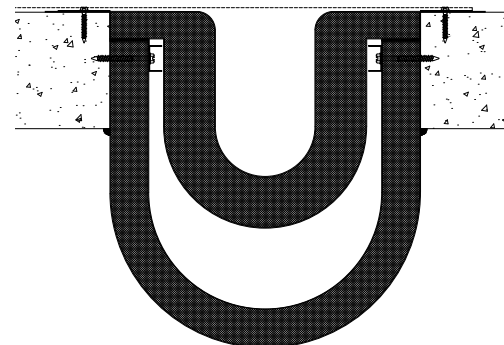
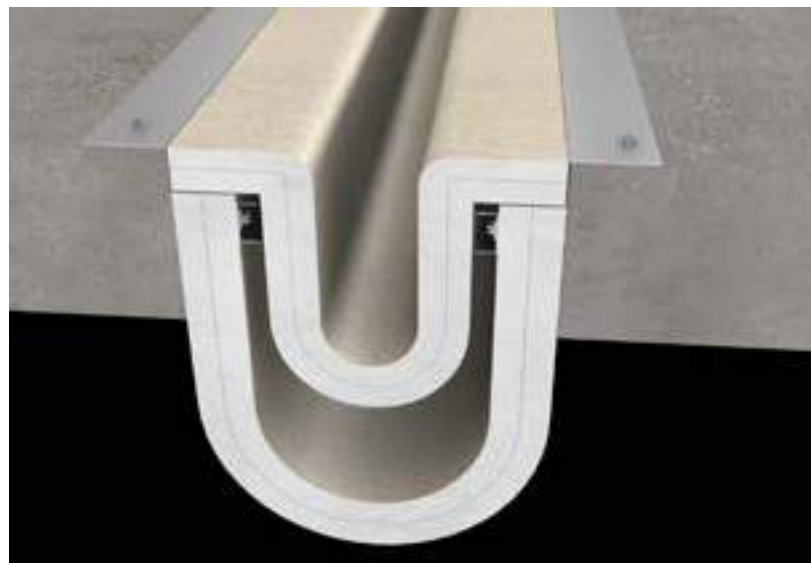
MOVEMENT

±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/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

1-4.5"***

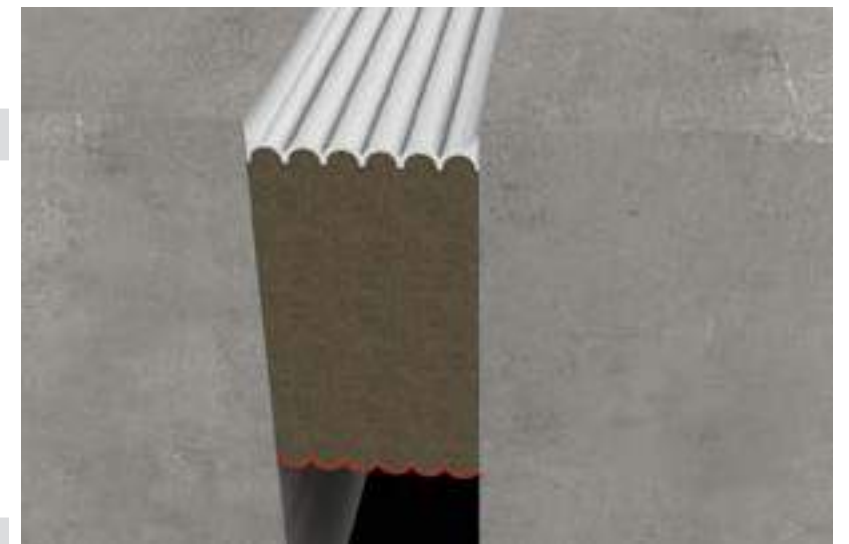
MOVEMENT

±25% to ±50% Expansion/Contr.



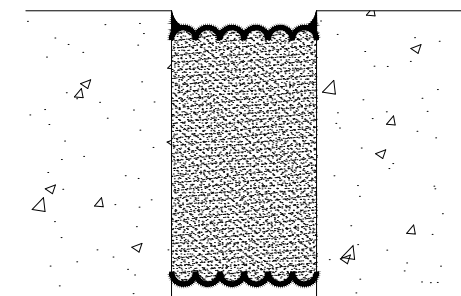
2FRBCSF-SL

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®

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



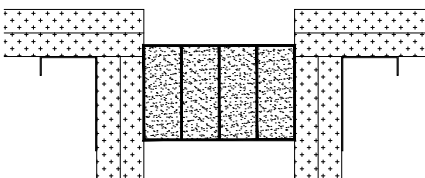
- Contributes to LEED® credits

JOINT SIZES

1-4"*

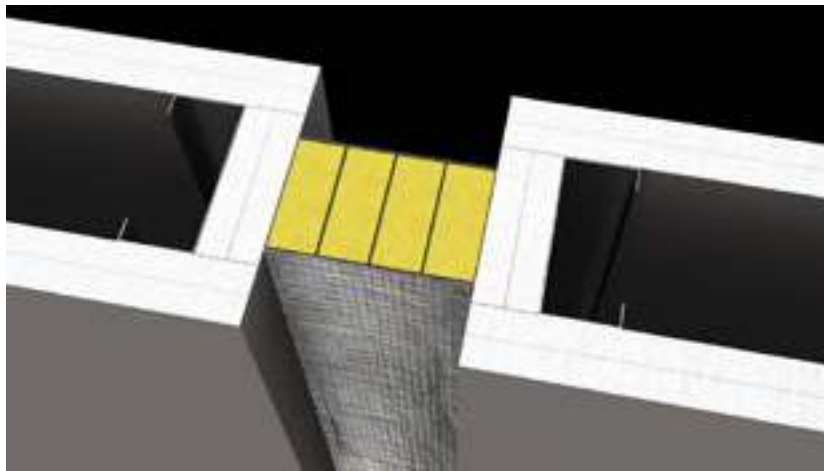
MOVEMENT

±50% to ±100% Expansion/Contr.



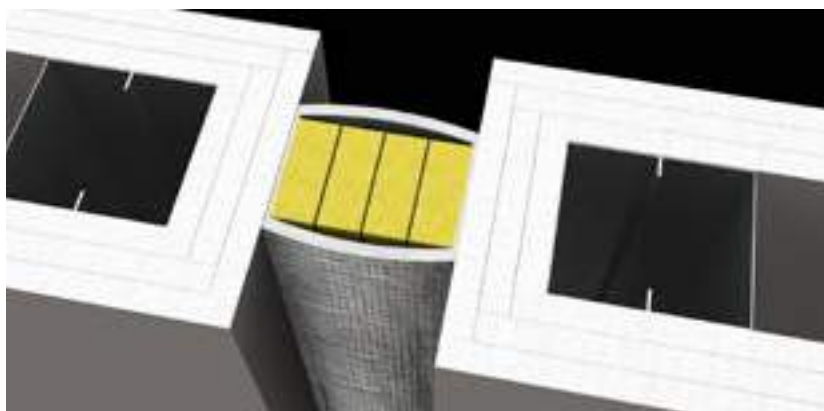
MBW2H

2 Hour



MBW3H

3 Hour



MBW4H

4 Hour



*Joint size availability varies slightly between products.

FIRE BARRIERS WALL SYSTEMS METAMAT™

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"

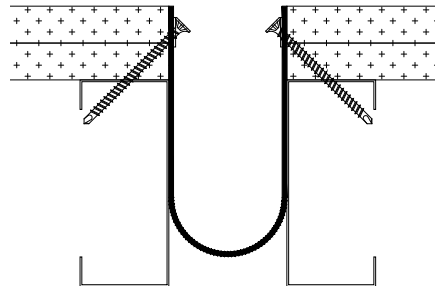
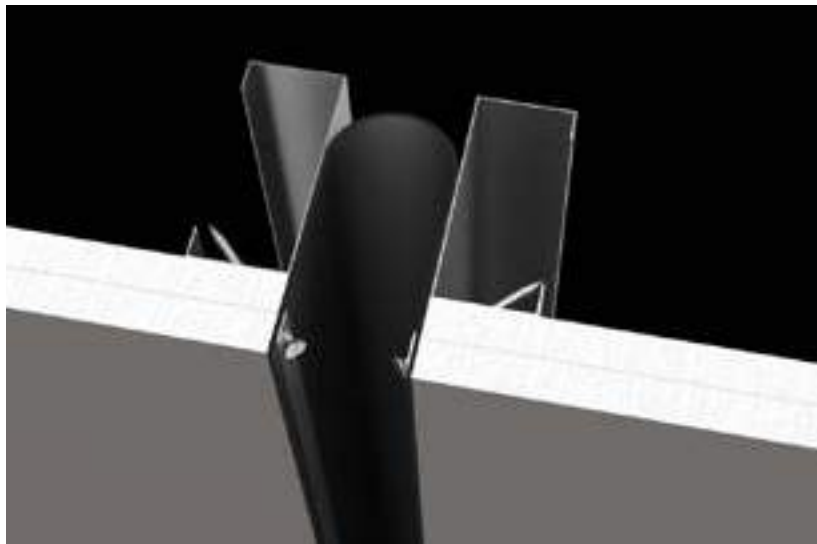
MOVEMENT

±50% to ±100% Expansion/Contr.



MW2H

2 Hour



FIRE BARRIERS WALL SYSTEMS METAFLEX® 2000

FIRE BARRIERS WALL SYSTEMS FR PRECOMPRESSED FOAM

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"

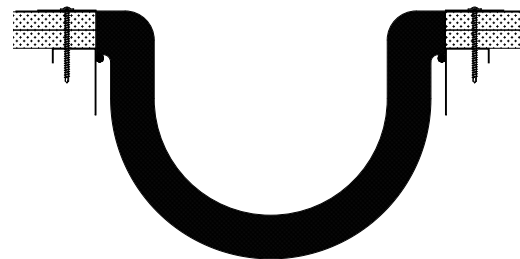
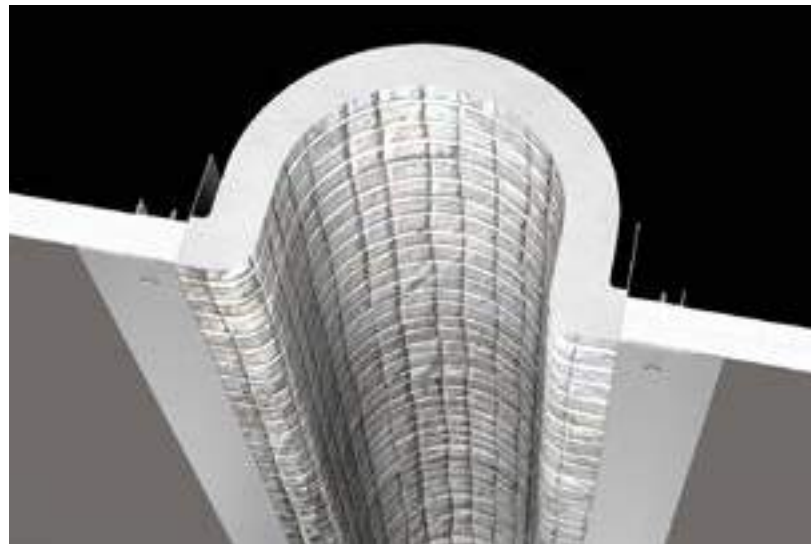
MOVEMENT

±50% to ±100% Expansion/Contr.



2HWFB

2 Hour



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"***

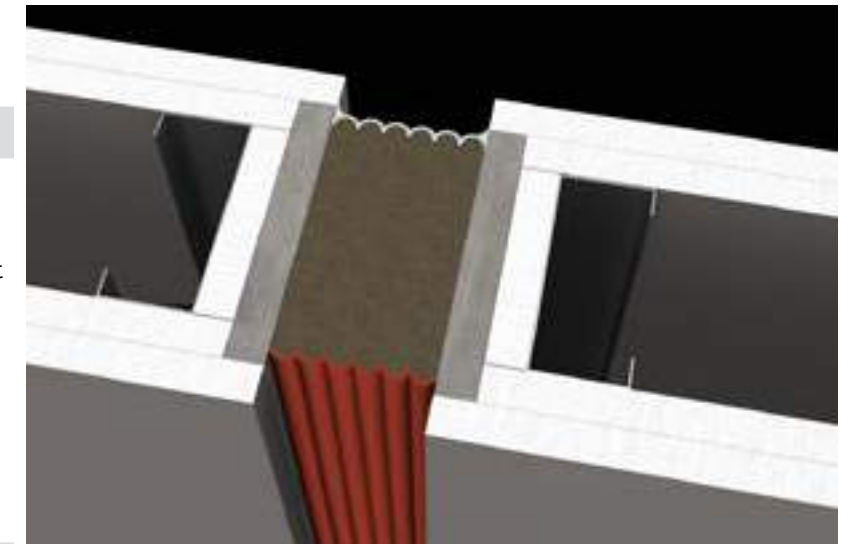
MOVEMENT

±25% to ±50% Expansion/Contr.



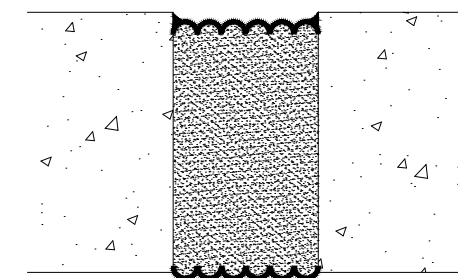
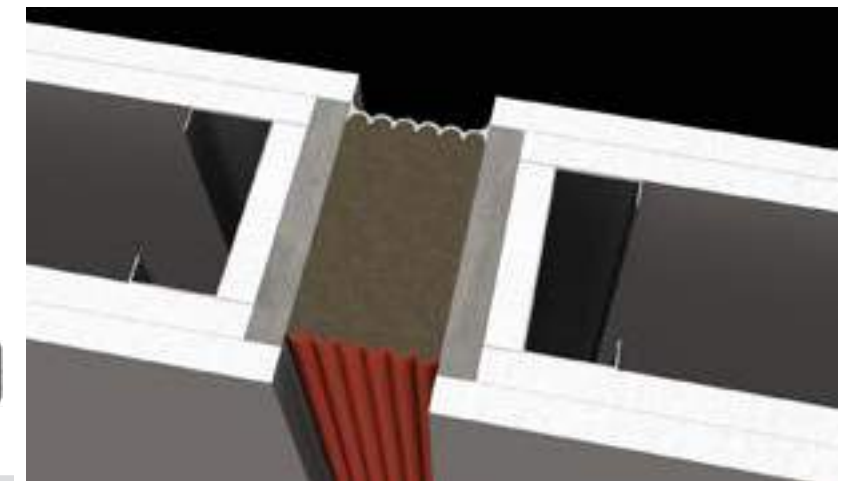
2FRBCSW

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"

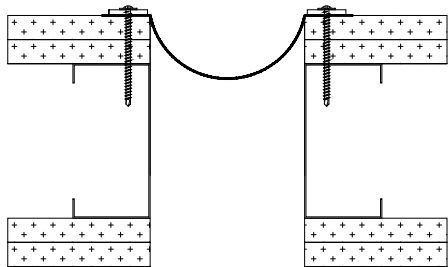
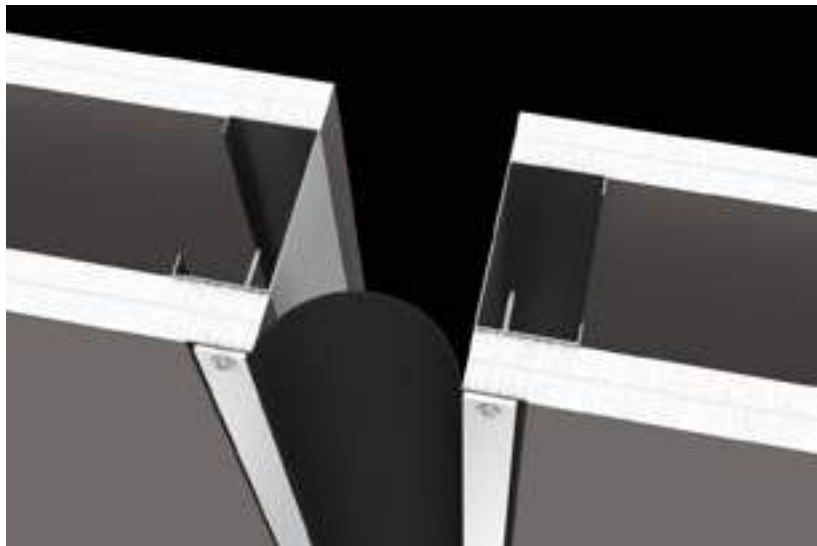
MOVEMENT

±50% to ±100% Expansion/Contr.



EJSB

Smoke Barrier



FIRE BARRIERS
DETAILS

SILICONE OPTIONS

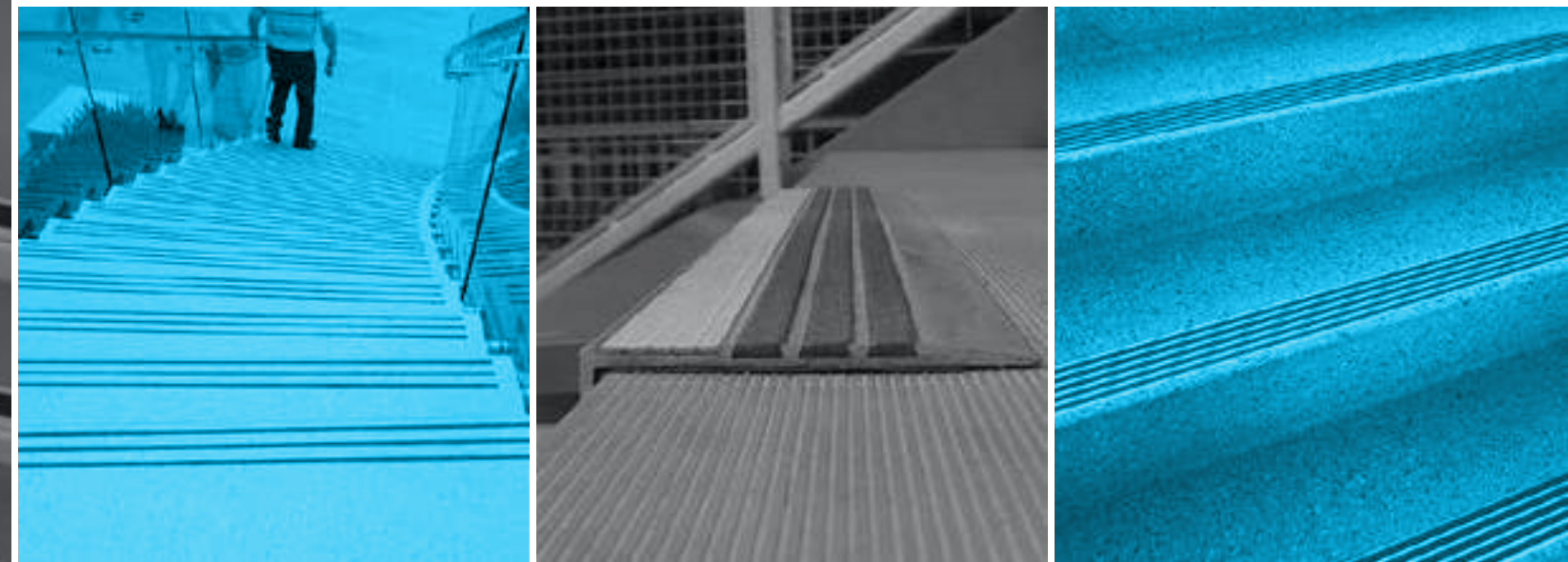
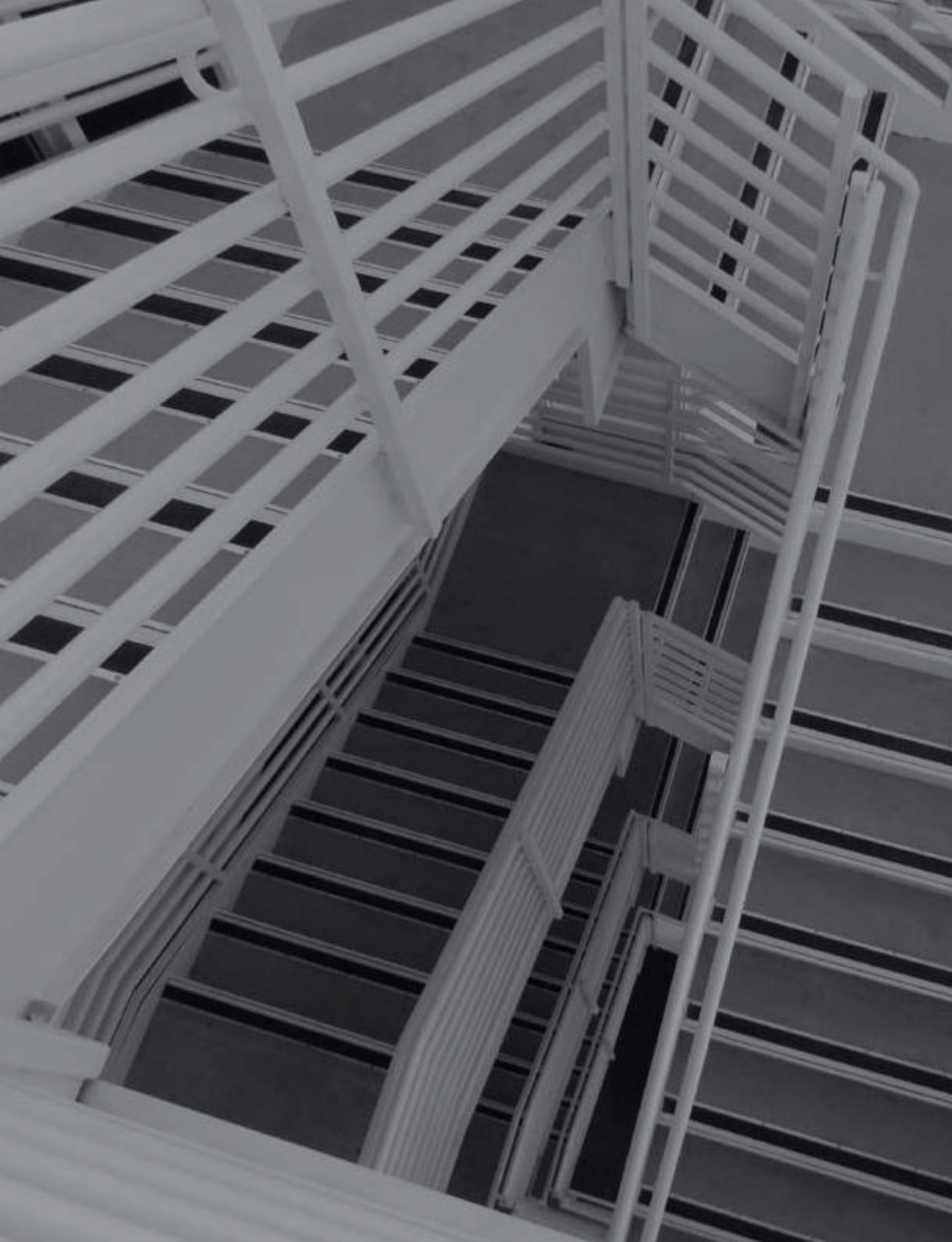
FR PRECOMPRESSED FOAM ONLY

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

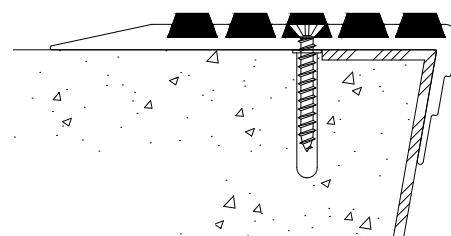
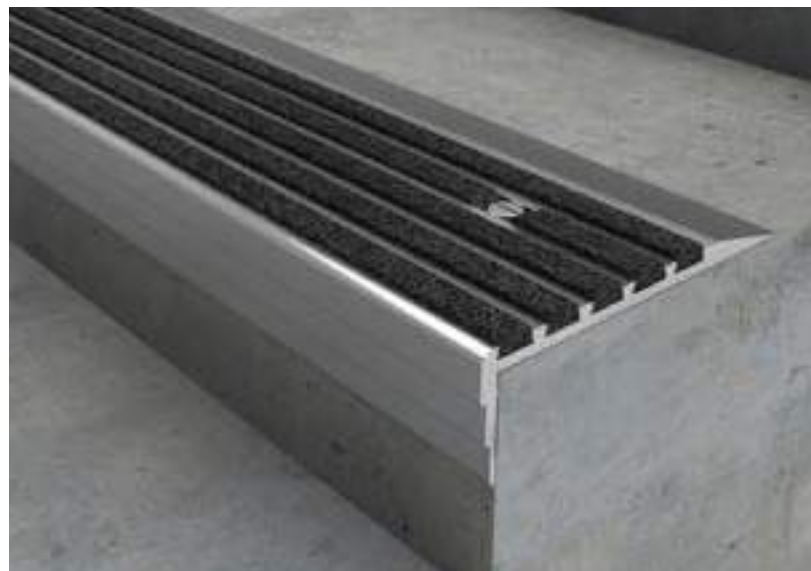
- Fastened to the leading edge of existing stairs

FEATURES

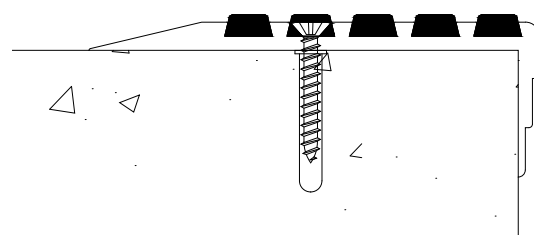
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

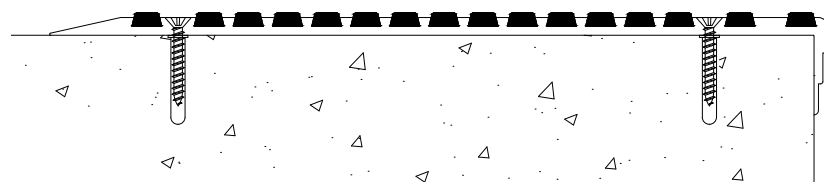
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



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

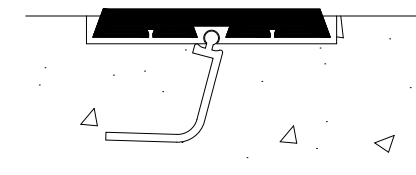
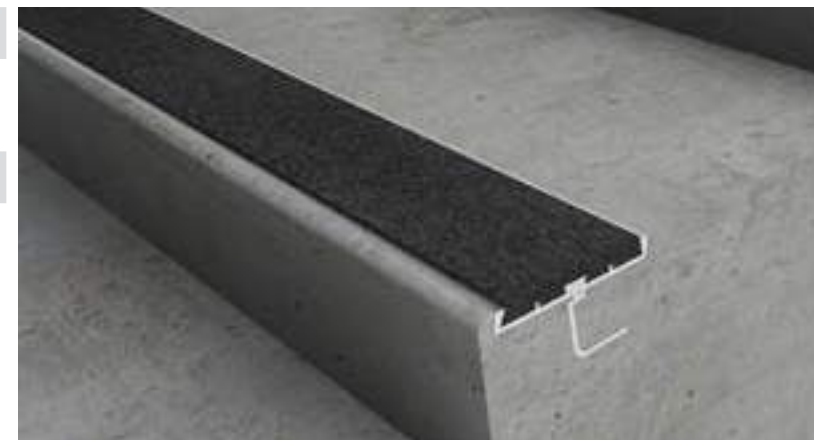
- Cast-in or blockout set back from the leading edge of stairs

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

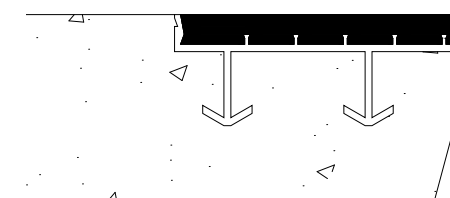
- Cast-in in the leading edge of stairs

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

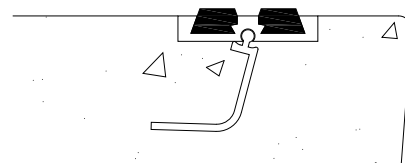
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



1.375" width



R-300 Set-back, Ribbed Abrasive

APPLICATION

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

FEATURES

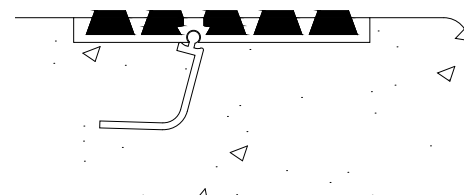
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



3" width



*See details (page 123).



STAIR NOSINGS
CAST-IN/BLOCKOUT
SINGLE COMPONENT

R-315 Ribbed Abrasive



APPLICATION

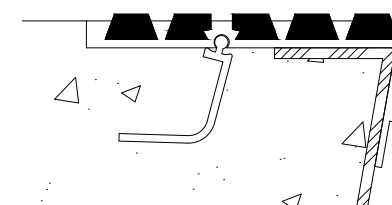
- Cast-in or blockout in the leading edge of stairs

FEATURES

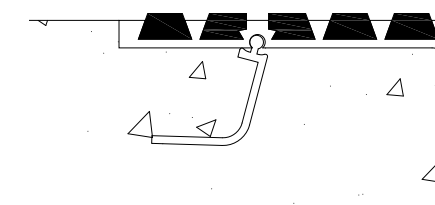
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous, concrete and extruded anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

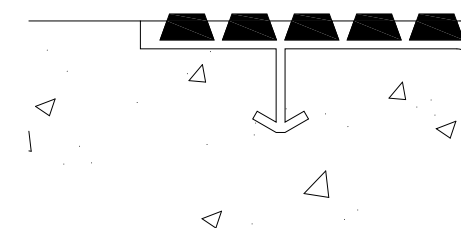
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits



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

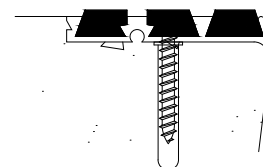
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



2" width



T-417 Wide, Ribbed Abrasive

APPLICATION

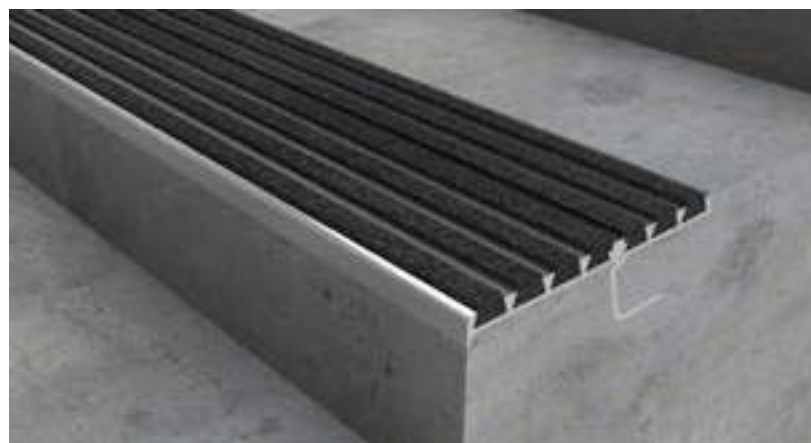
- Cast-in or blockout in the leading edge of stairs

FEATURES

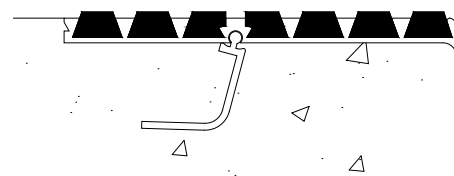
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, continuous and concrete anchors available
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



4" width



*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

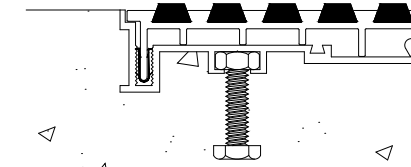
- Dual extruded aluminum components; base cast in during stair pour and finished nosing snaps into place later
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- No exposed fasteners
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



3.25" width



DXH Solid Abrasive

APPLICATION

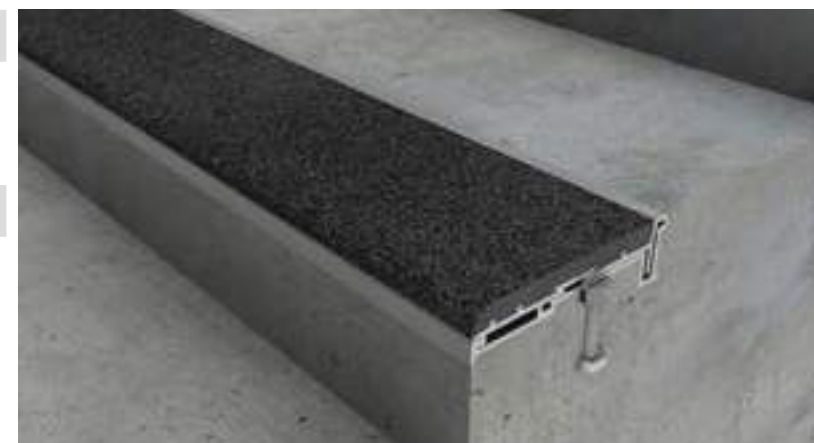
- Cast into leading edge of stairs where finished nosing requires protection during construction

FEATURES

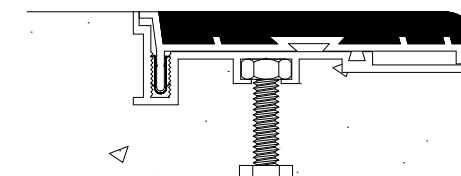
- Dual extruded aluminum components; base cast in during stair pour and finished nosing snaps into place later
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- No exposed fasteners
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



3.25" width



*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

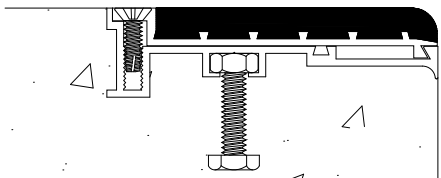
- Dual extruded aluminum components; base cast in during stair pour and finished nosing snaps into place later
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- Ships in up to 10' lengths
- Multiple abrasive color options available*

PERFORMANCE

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



3.25" width



*See details (page 123).

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

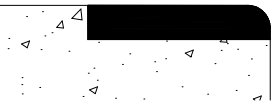
- Meets ADA guidelines for slip resistance
- Contributes to LEED® credits

AB Block Strip



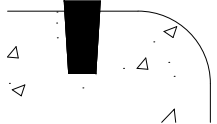
Available in
1", 2" and 3" widths

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).



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

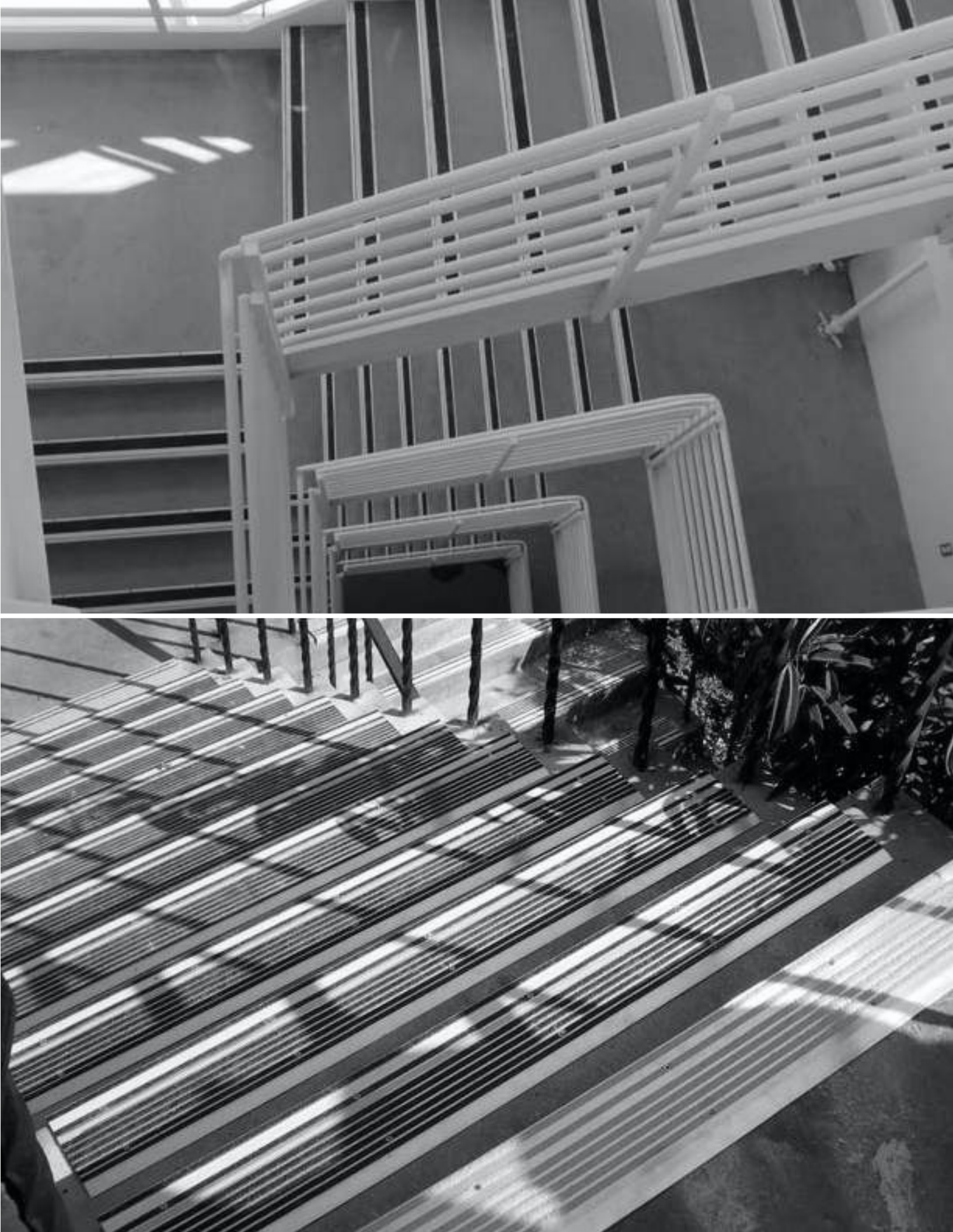
Subject to additional charges and extended lead times.

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 <small>**Available as continuous</small>	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.

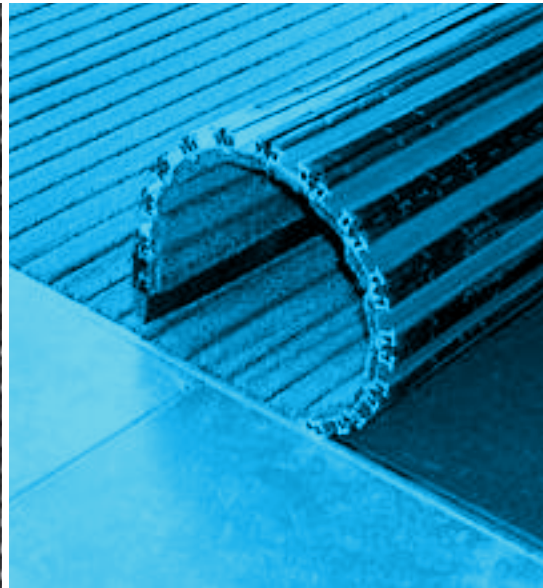
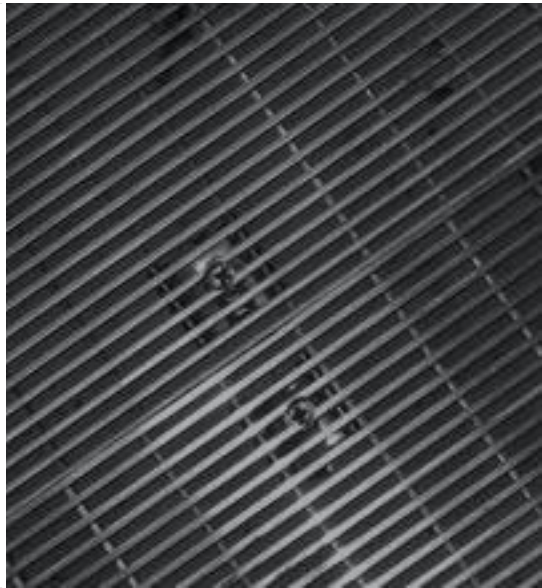




MATS & GRIDS



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



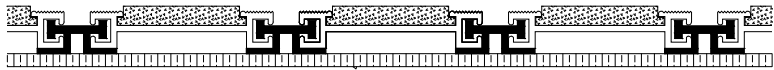
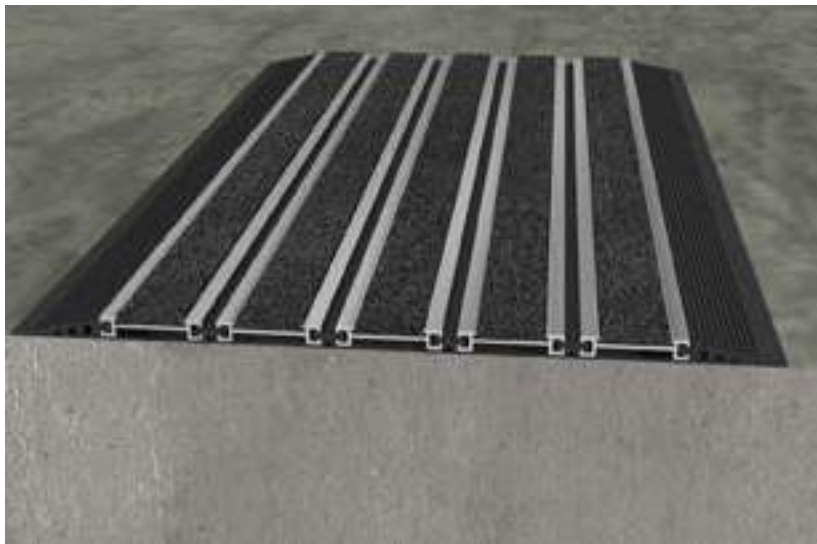
ROLLING LOAD

1000 passes at 400lbs



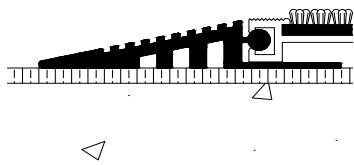
FMS-A

Abrasive Tread, Vinyl Hinge

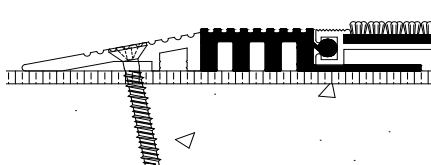


FRAME & ANCHOR OPTIONS

Tapered Vinyl (Standard)



Tapered Aluminum



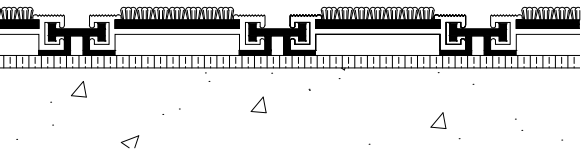
*See details (pages 139-140).



MATS & GRIDS
ENTRANCE FLOOR MATS
SURFACE ROLL-UP MATS

FMS-C

Carpet Tread, Vinyl Hinge



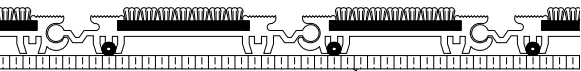
FMS-D

Designer Style Tread, Vinyl Hinge



FM2S-C

Carpet Tread, Aluminum Hinge



*See details (pages 139-140).



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



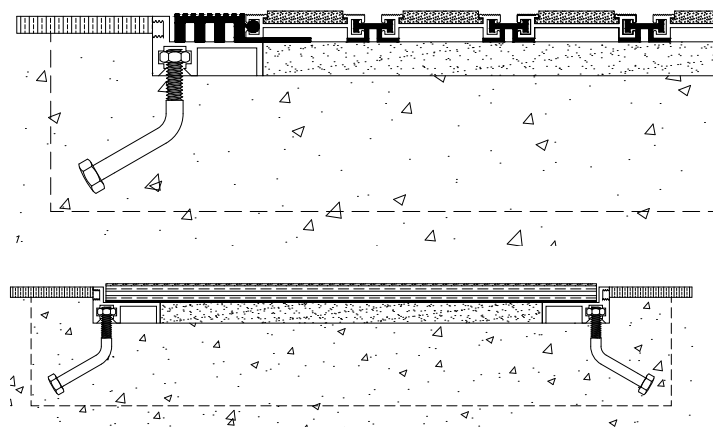
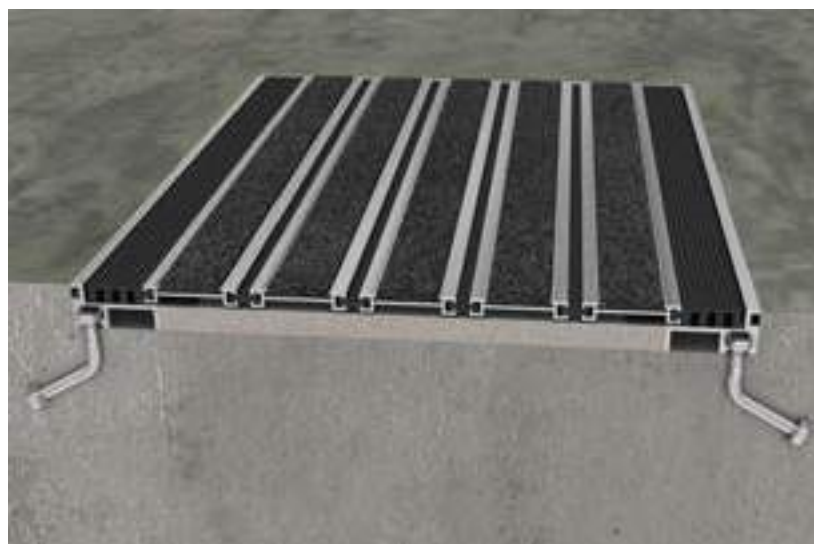
ROLLING LOAD

1000 passes at 400lbs



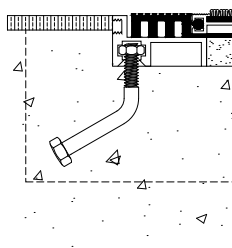
FMR-A

Abrasive Tread, Vinyl Hinge

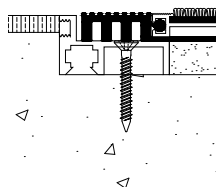


FRAME & ANCHOR OPTIONS

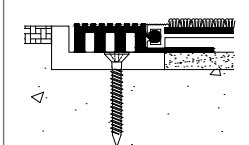
Cast-in (Standard)



Modified Blockout

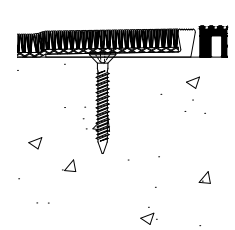


Alum. Angle Blockout

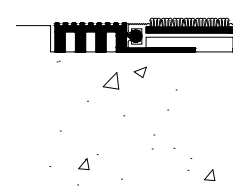


**Available in 1/4" and 1/8" thicknesses

Pipe Stem Blockout



No-Frame Blockout



*See details (pages 139-140).

RECESSED ROLL-UP MATS

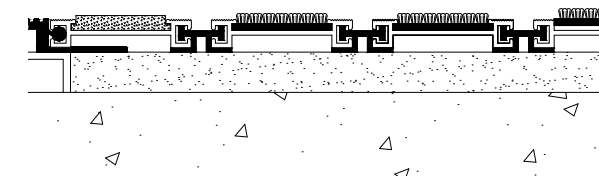
FMR-C

Carpet Tread, Vinyl Hinge



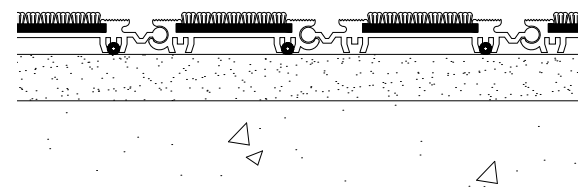
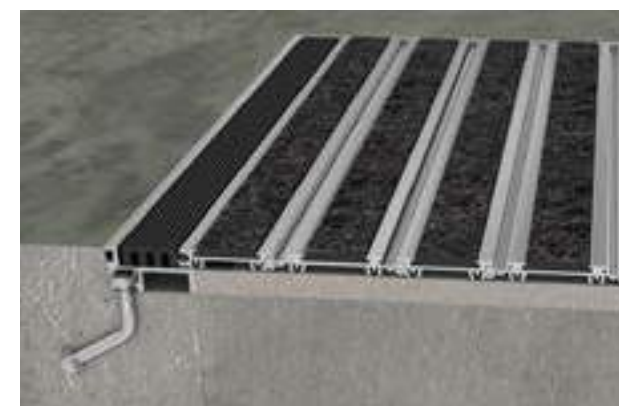
FMR-D

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

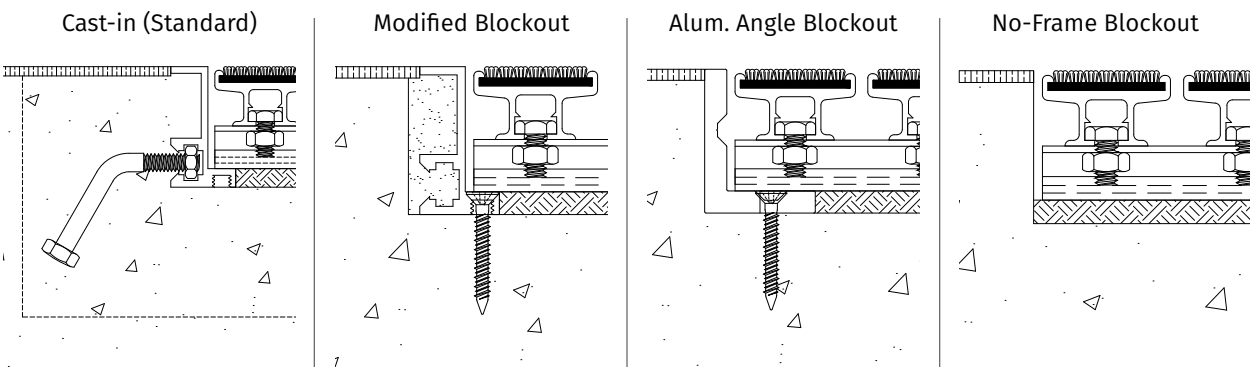


ROLLING LOAD

1000 passes at 600lbs



FRAME & ANCHOR OPTIONS



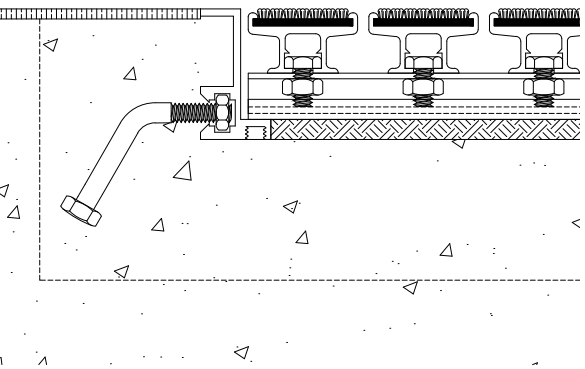
*See details (pages 139-140).



MATS & GRIDS
ENTRANCE FLOOR GRIDS
SHALLOW PIT GRIDS

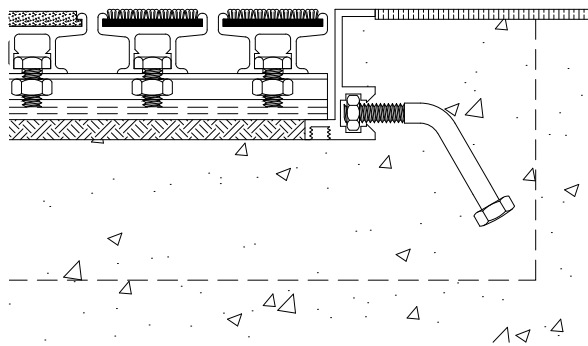
FG1-C

Carpet Tread



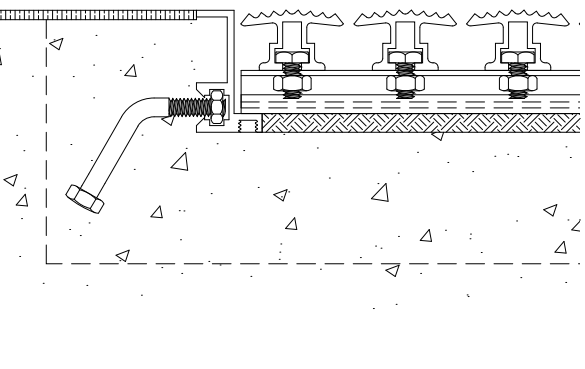
FG1-D

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

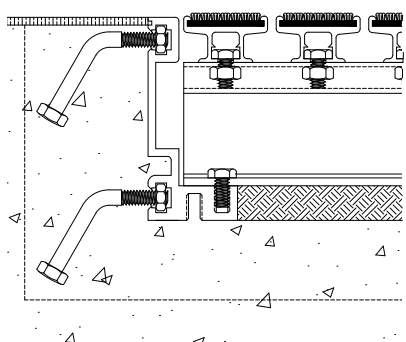
LOAD

Pedestrian

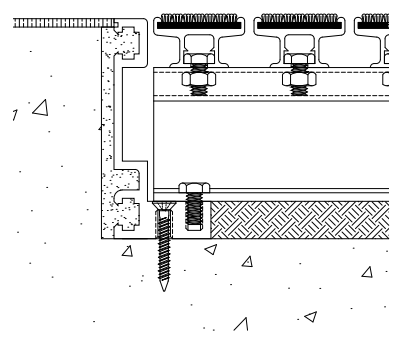


FRAME & ANCHOR OPTIONS

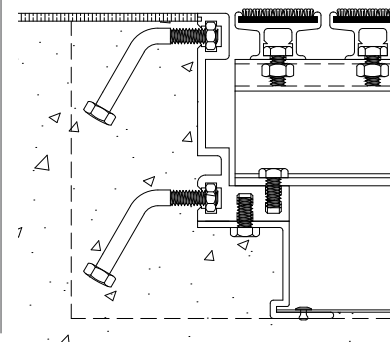
Cast-in (Standard)



Modified Blockout



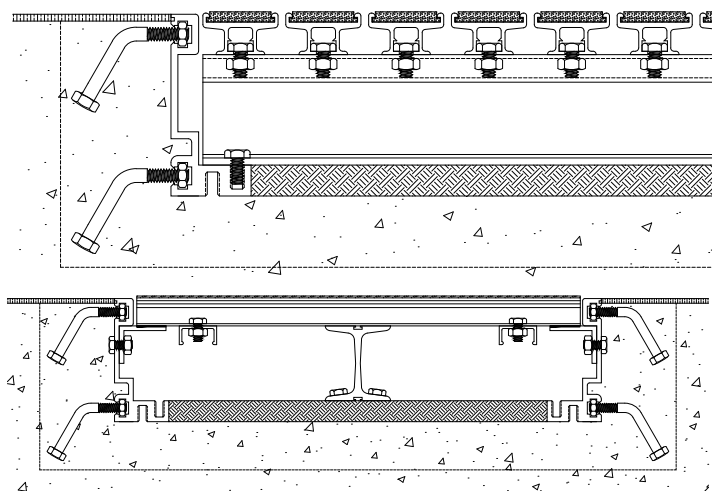
Cast-in with Pan*



*See details (pages 139-140).

FGDP-A

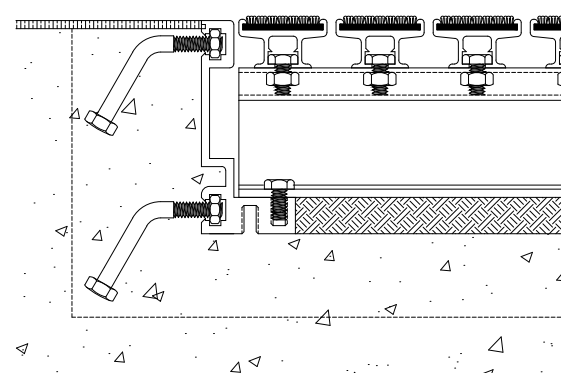
Abrasive Tread



MATS & GRIDS
ENTRANCE FLOOR GRIDS
DEEP PIT GRIDS

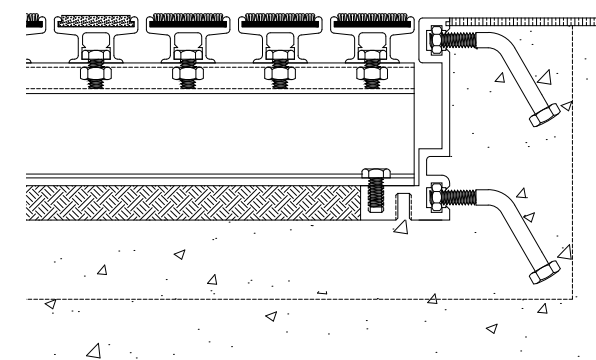
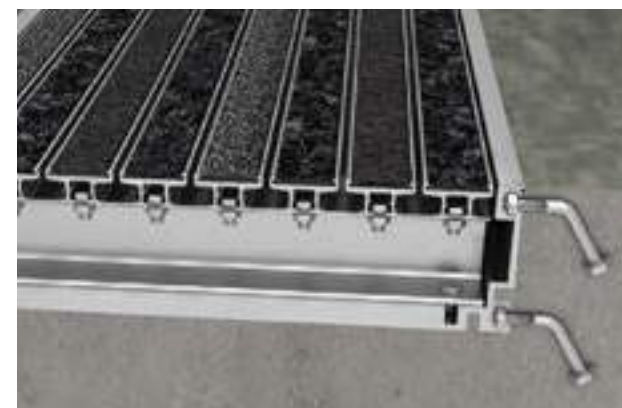
FGDP-C

Carpet Tread



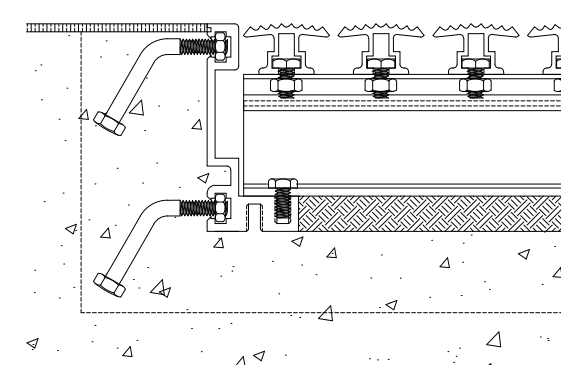
FGDP-D

Designer Style Tread



FGDP-S

Serrated Aluminum Tread



*See details (pages 139-140).



MATS & GRIDS
ENTRANCE FLOOR 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



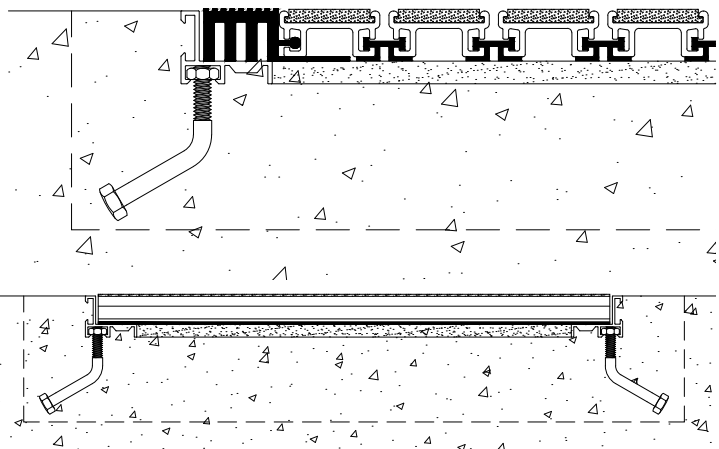
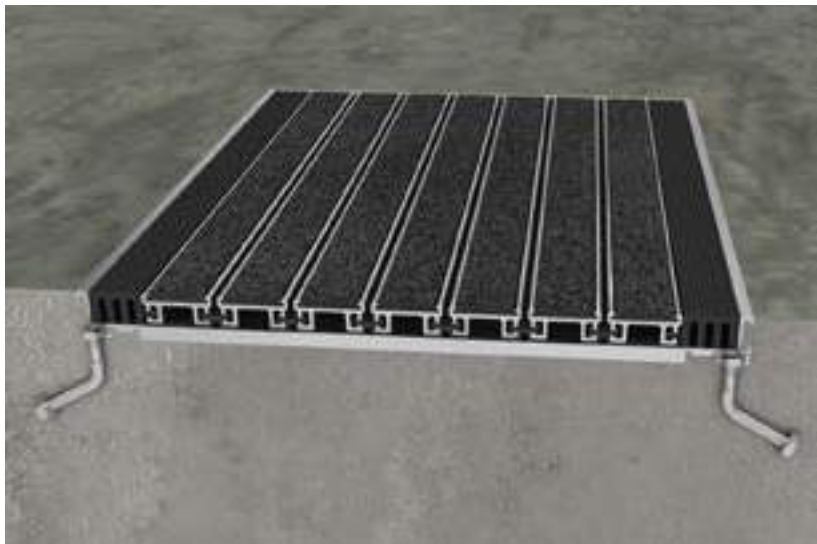
ROLLING LOAD

1000 passes at 1500lbs



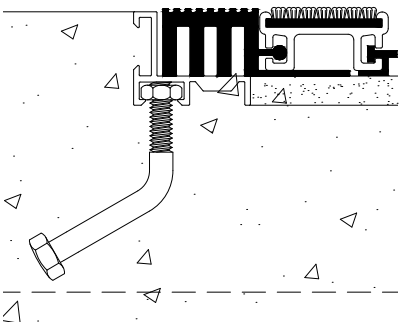
FGLP-A

Abrasive Tread

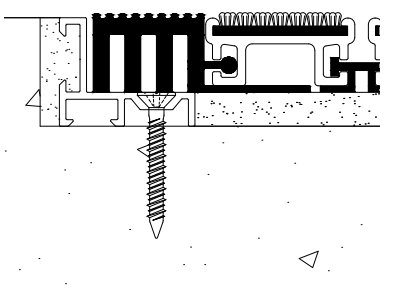


FRAME & ANCHOR OPTIONS

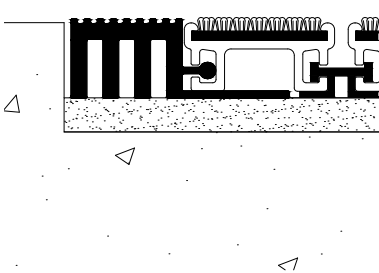
Cast-in (Standard)



Modified Blockout



No Frame Blockout



*See details (pages 139-140).



MATS & GRIDS
ENTRANCE FLOOR GRIDS
HEAVY DUTY LOW PROFILE GRIDS

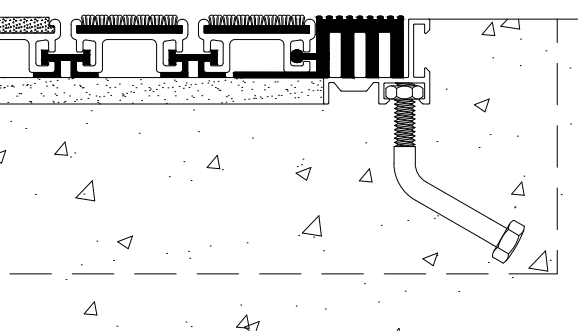
FGLP-C

Carpet Tread



FGLP-D

Designer Style Tread



*See details (pages 139-140).



MATS & GRIDS
ENTRANCE FLOOR GRIDS

STAINLESS STEEL ULTRAGRID™

APPLICATION

- Recessed entrance floor

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

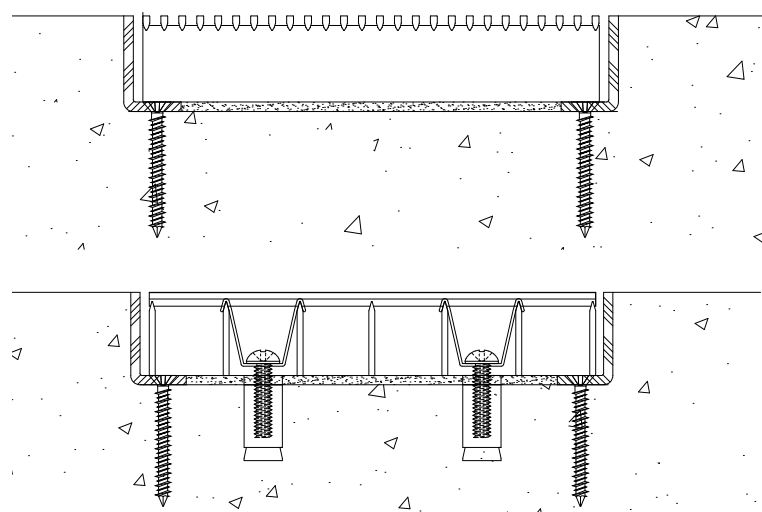
LOAD

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

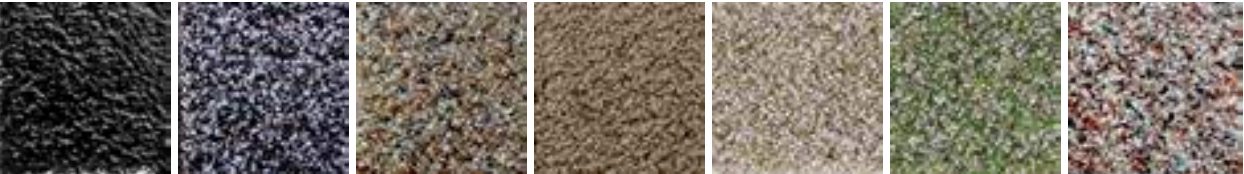
Made from polypropylene yarn with polypropylene backing. Subject to upcharge.



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.

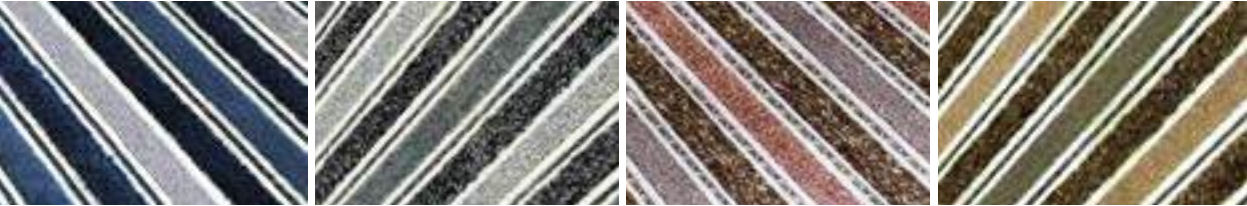


Mill Aluminum Clear Champagne Light Bronze Medium Bronze Dark Bronze Black

DESIGNER STYLE PATTERNS

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

COLOR THEME OPTIONS



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



TRENCH & ACCESS



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





TRENCH & ACCESS TRENCH COVERS

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

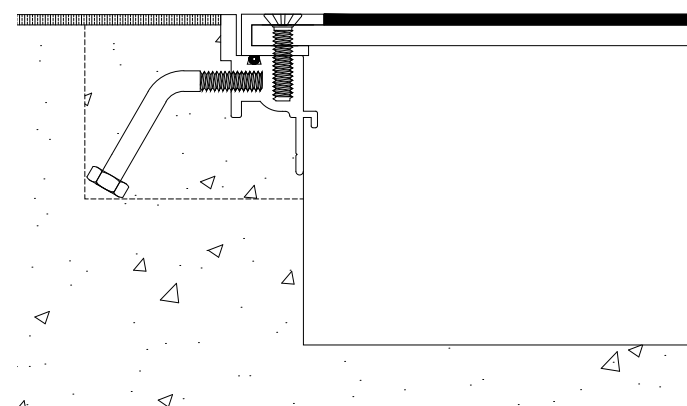
- Abrasive meets ADA guidelines for slip resistance
- Contributes to LEED® credits

SIZES

4-36"

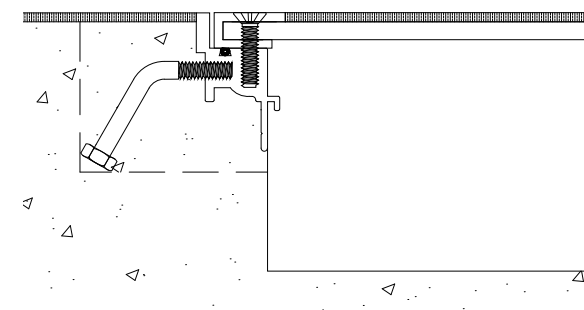
TSA

Abrasive Infill Plate



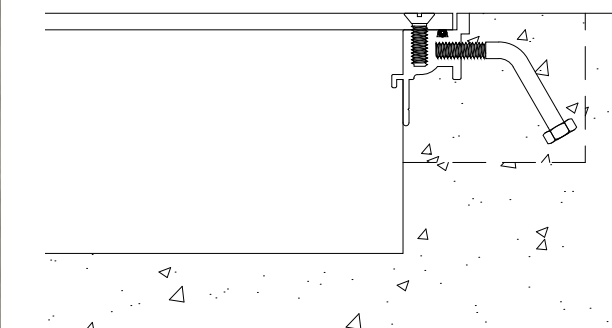
TSP

Smooth Plate



TSD

Diamond 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

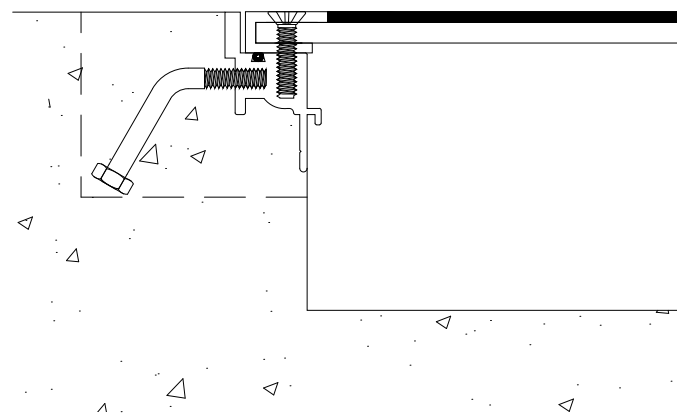
- Abrasive meets ADA guidelines for slip resistance
- Contributes to LEED® credits

SIZES

8-24"

ACA

Abrasive Infill Plate



TRENCH & ACCESS ACCESS COVERS

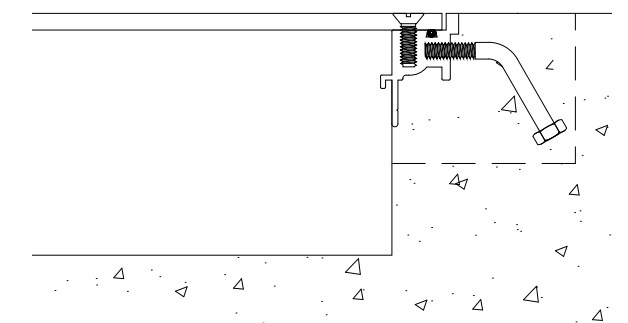
ACD

Diamond Plate



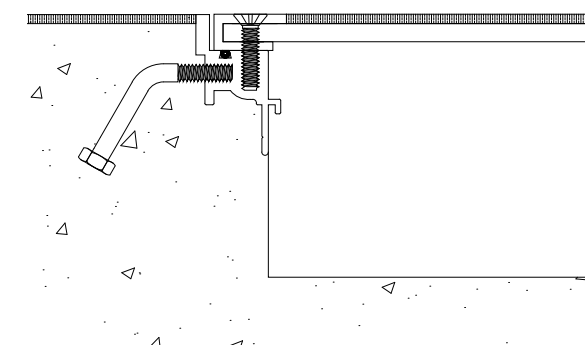
ACP

Smooth Plate



ACT

Tile Recessed Plate



*See details (page 147).



TRENCH & ACCESS
DETAILS

ABRASIVE COLOR OPTIONS

STANDARD

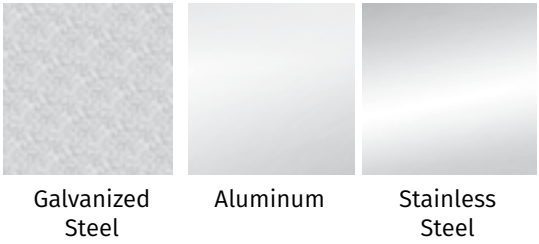
Proprietary, two-part formula of epoxy and aluminum oxide abrasive.



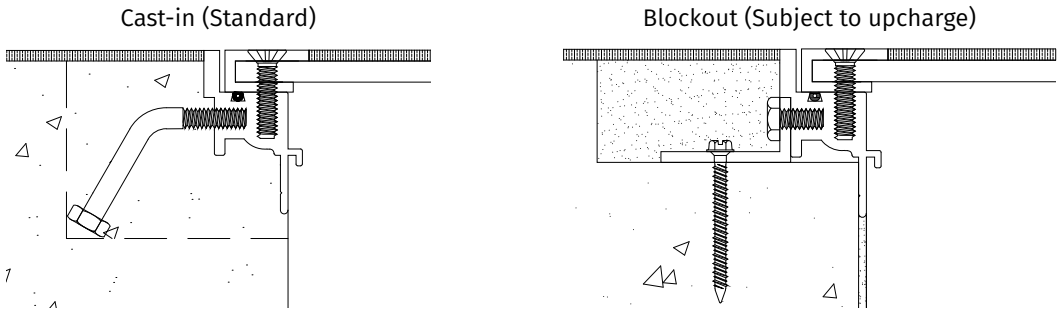
LINER MATERIAL OPTIONS

STANDARD OTHER

Subject to additional charges and extended lead times.



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

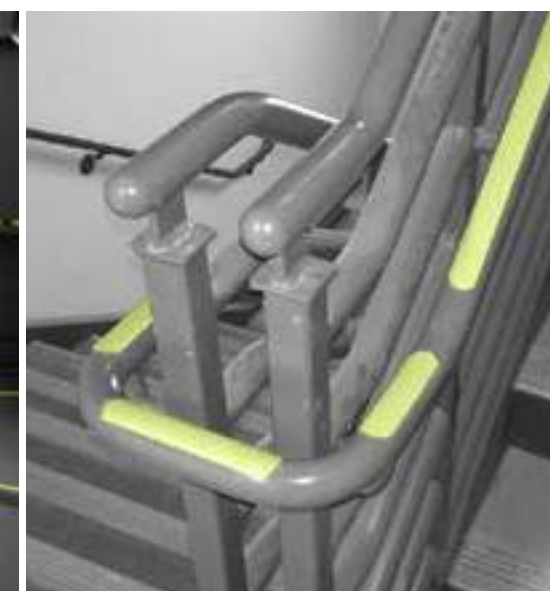
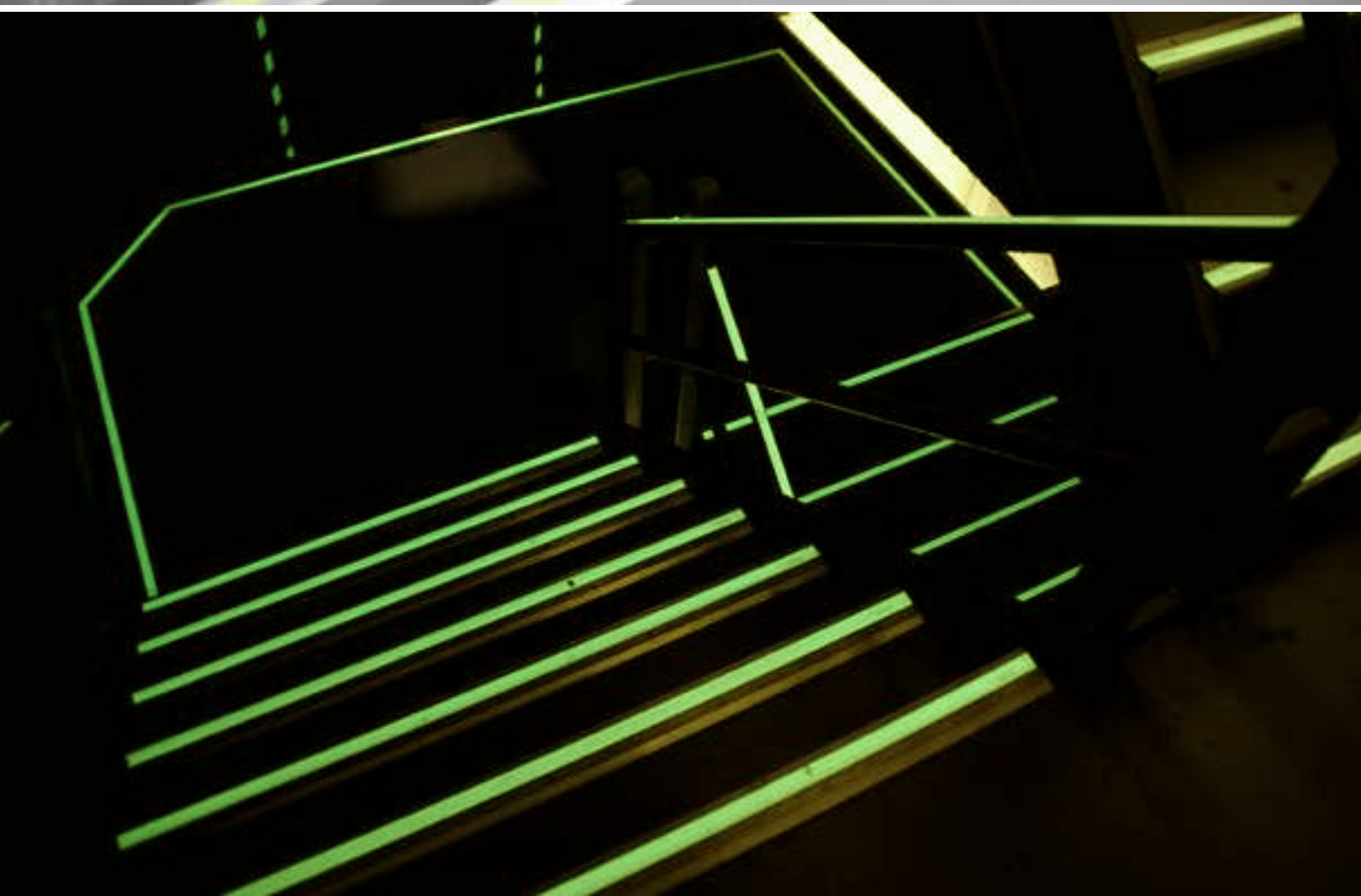


ILLUMITREAD™ EGRESS



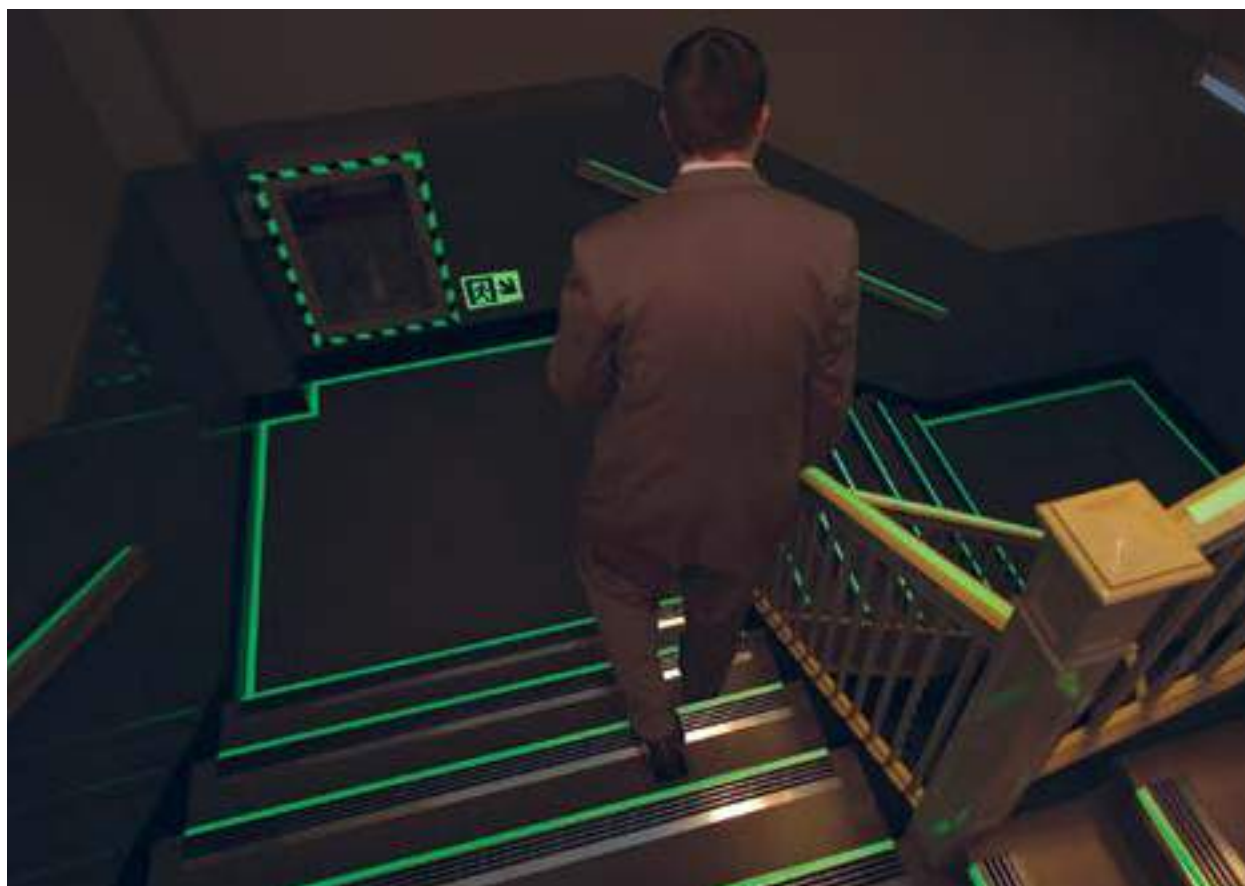
Balco photoluminescent egress products create an intuitive path for emergency escape from high rises, stadiums, arenas, medical facilities, hotels, multi-story buildings, parking garages and other commercial

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.





ILLUMITREAD™ EGRESS



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

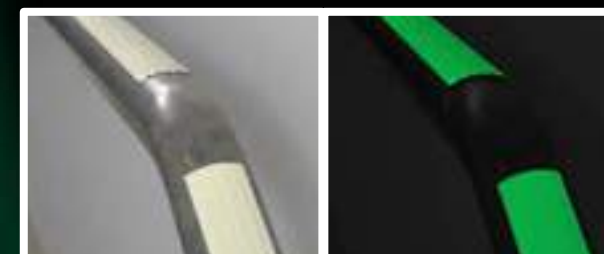
same time, significant advancements were made in PL technology enabling it to provide a much longer lasting afterglow. Consequently, the World Trade Center was one of the first facilities to have it installed in the late 1990’s.

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

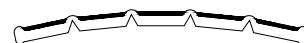
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Ships in 10' lengths
- Higher quality and longevity than tape

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

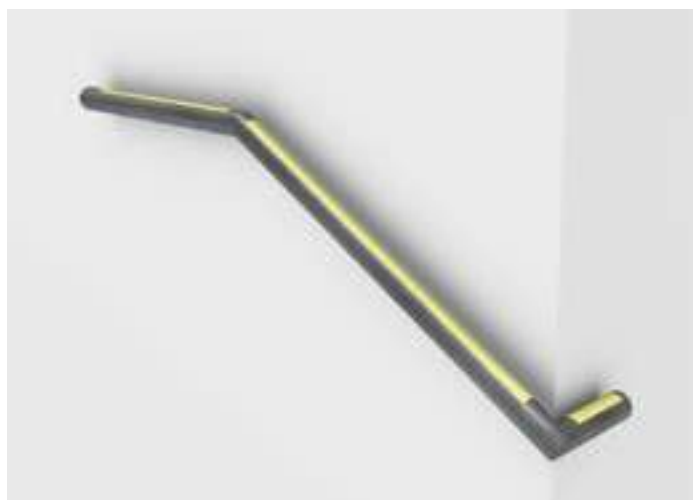
- Photoluminescent handrail demarcation tape

FEATURES

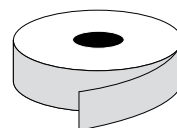
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Easy to install self-adhesive
- Cost effective
- Ships in 100' rolls

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

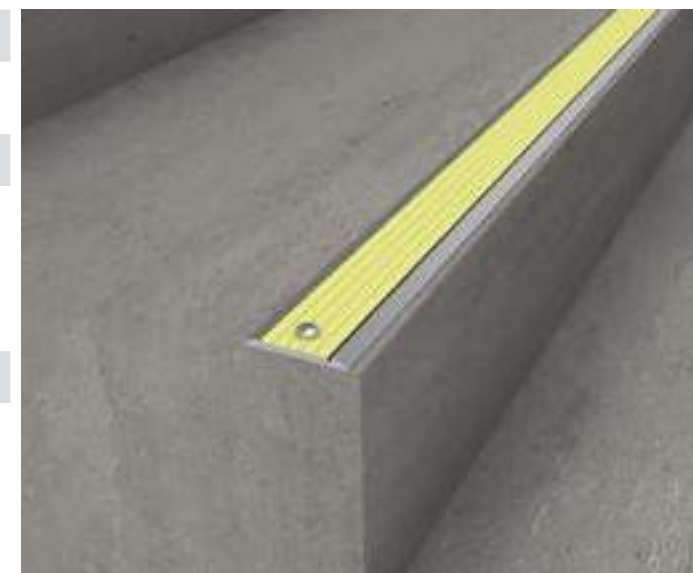
- Photoluminescent floor demarcation strip

FEATURES

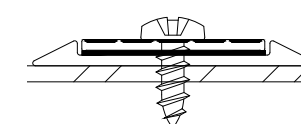
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Ships in 10' lengths
- Higher quality and longevity than tape

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

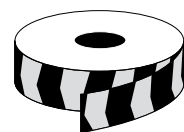
- Photoluminescent obstruction tape (1")

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"



ILLUMITREAD™ EGRESS SIGNAGE

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

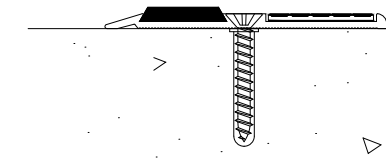
- Passes UL 1994 for both interior and exterior applications
- Meets IBC/IFC 1025
- Passes salt spray resistance per ASTM B117
- Passes toxicity test per SMP 800C
- Passes flame spread test per ASTM D635
- Nonradioactive per ASTM D3648
- Meets ADA guidelines for slip resistance
- Contributes to LEED®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

4120

Surface Mount 1" PL Strip

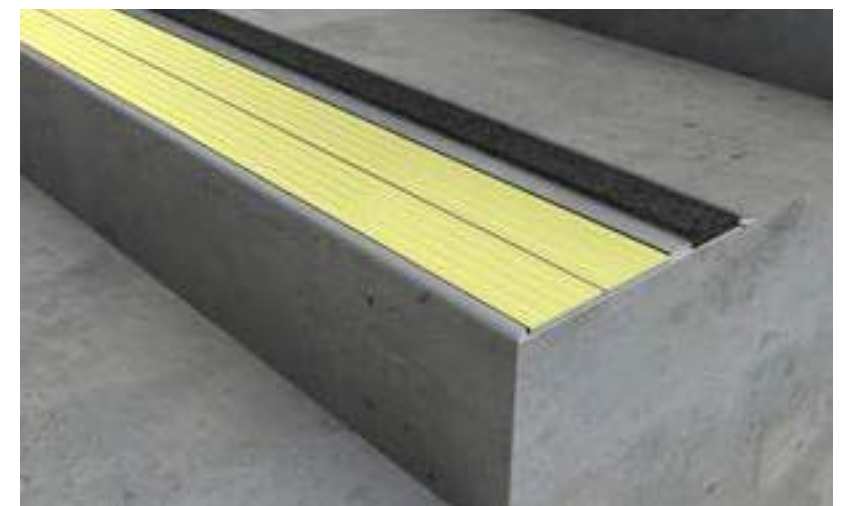


2.75" width

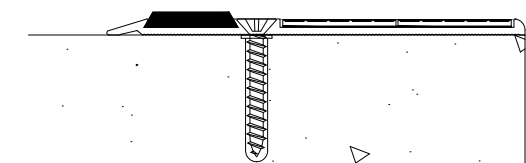


8120

Surface Mount 2" PL Strip



3.8125" width



*See details (page 170).



ILLUMITREAD™ EGRESS RETROFIT STAIR NOSINGS

RS-405-PL-100

Ribbed Abrasive

APPLICATION

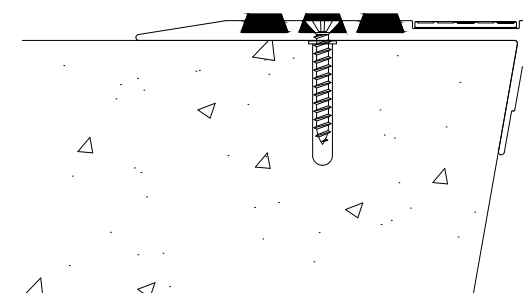
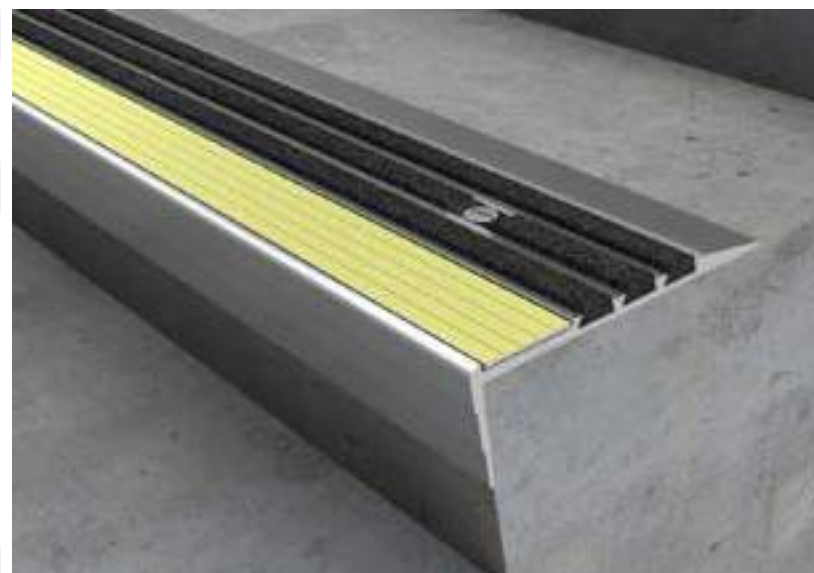
- Fastened to the leading edge of existing stairs

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*

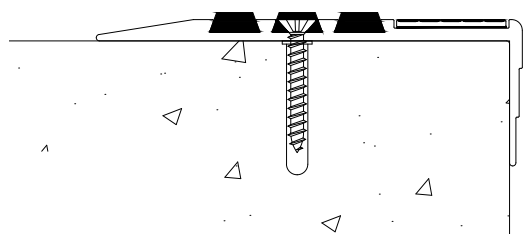
PERFORMANCE

- 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

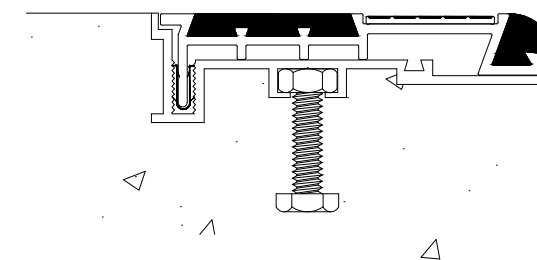
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Dual extruded aluminum components
- Proprietary, slip-resistant epoxy abrasive
- Cast-in anchors only
- No exposed fasteners
- Ships in max of 10' lengths
- Multiple abrasive color options available*

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

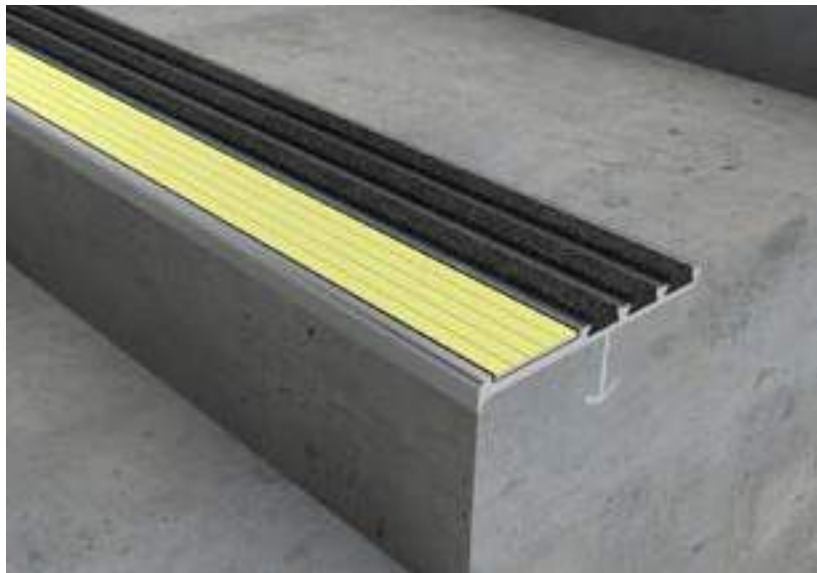
- Cast into leading edge of stairs

FEATURES

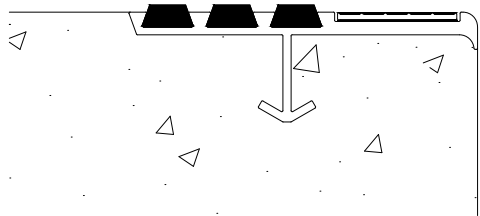
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Extruded aluminum base & anchor
- Proprietary, slip-resistant epoxy abrasive
- Ships in max of 10' lengths
- Multiple abrasive color options available*

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

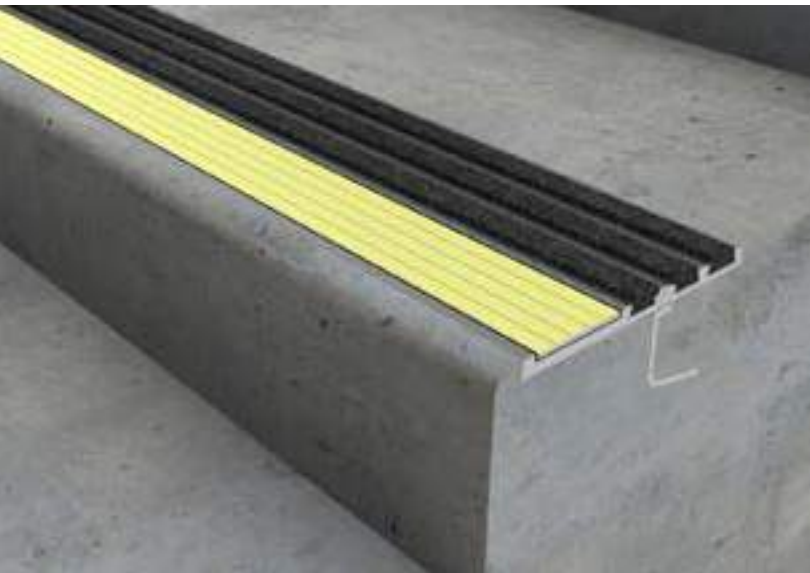
- Cast-in or blockout in leading edge of stairs

FEATURES

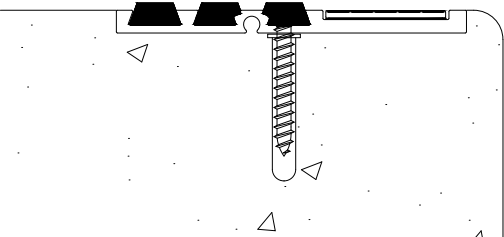
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, cast-in and concrete anchors available
- Ships in max of 10' lengths
- Multiple abrasive color options available*

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

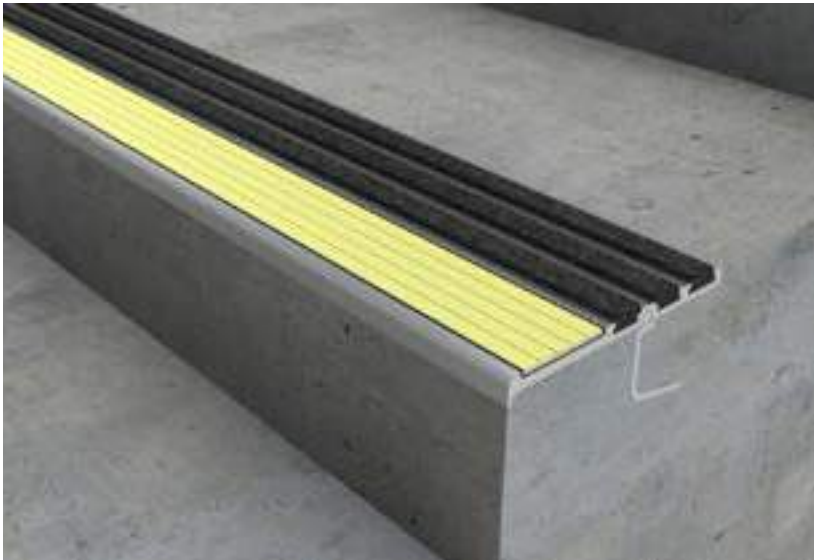
- Cast-in or blockout in leading edge of stairs

FEATURES

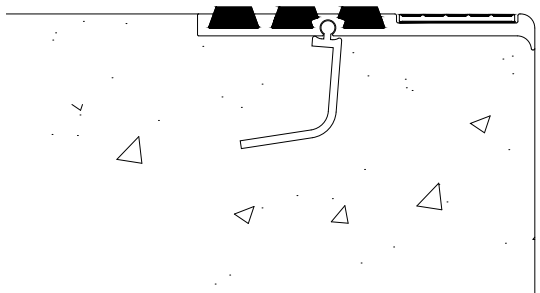
- Charges by variety of light sources (LED, fluorescent, etc.)*
- Extruded aluminum base
- Proprietary, slip-resistant epoxy abrasive
- Wood, cast-in and concrete anchors available
- Ships in max of 10' lengths
- Multiple abrasive color options available*

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
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.



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 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

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

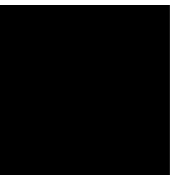
- Rare Earth Abrasive
- Denim Standard Carpet
- Blue Sapphire Heavy Duty Carpet
- Black Hinge
- Black Perimeter Vinyl
- Black Rain Abrasive
- Graphite Standard Carpet
- Black Onyx Heavy Duty Carpet
- Black Hinge
- Black Perimeter Vinyl
- Red Stone Abrasive
- Burnt Sierra Standard Carpet
- Coffee Bean Heavy Duty Carpet
- Bronze Hinge
- Bronze Perimeter Vinyl
- Rare Earth Abrasive
- Fawn Standard Carpet
- Coffee Bean Heavy Duty Carpet
- Bronze Hinge
- Bronze Perimeter Vinyl

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



Black

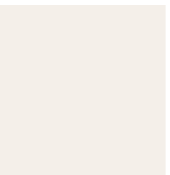
OTHER



Precast White



Limestone



White



Natural Stone



Gray



Bronze



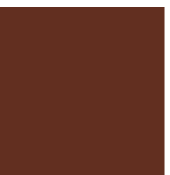
Sandstone



Adobe Tan



Dusty Rose



Rustic Brick

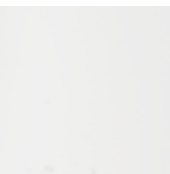


Blue Spruce



Charcoal

SANTOPRENE OPTIONS



White



Tan



Gray



Bronze



Black







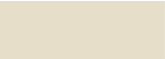





*White not available for floor applications.

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.

						
Hartford Green	Interstate Green	Aged Copper	Royal Blue	Denim Blue	Milano Blue	Bone White
						
White Stone	Surrey Beige	Seal Brown	Dark Bronze	Brick Red	River Rouge Red	Boysenberry








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.

						
Carbonite	Midnight Blue	Midnight Patina	Seafoam Green	Weathered Copper	Gold Nugget	Copper
						
Meteor Gray	Silverado	Bright Silver	Dark Bronze	Medium Bronze	Light Bronze	Champagne







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

						
Accent Red	Cardinal Red	BP Green	Berkeley Blue	Postal Blue	Golden Rod	Sunspot

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

						
Pewter	Dark Bronze	Medium Bronze	Copper	Champagne Gold	Seafoam Green	Silver

METAL FINISH OPTIONS

STANDARDANODIZED


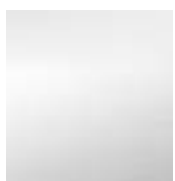

Subject to additional charges and extended lead times.

						
Mill Aluminum	Clear	Champagne	Light Bronze	Medium Bronze	Dark Bronze	Black

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

STANDARDOTHER

Subject to additional charges and extended lead times.

		
Galvanized Steel	Aluminum	Stainless Steel

BELLOW METAL OPTIONS BRB SERIES ONLY

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



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.

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A CSW Industrials Company

ARCHITECTURAL PRODUCTS:

EXPANSION JOINT SYSTEMS

PARTITION CLOSURE

FIRE BARRIERS

STAIR NOSINGS

MATS & GRIDS

TRENCH & ACCESS

ILLUMITREAD™ EGRESS

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