

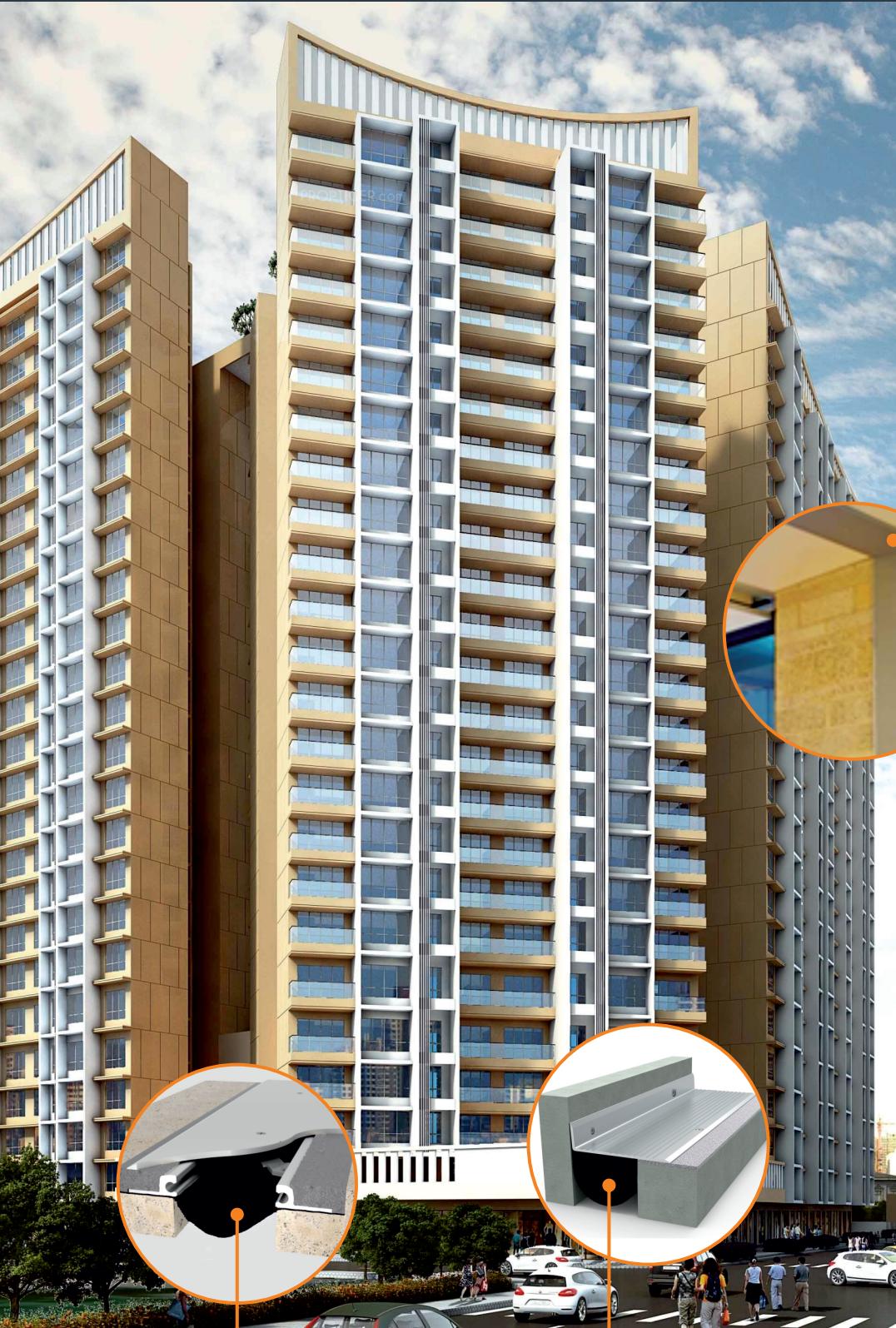


SCON
ARCHITECTURAL
EXPANSION
JOINT SYSTEM

Project Name: Amardeep Anutham - A Perfect World, Mulund, Mumbai

Description: Expansion joint types Floor to Floor, Wall to Wall, Floor to Wall & Ceiling to Ceiling

Total Qty.: 2000 Rmt.



Expansion Joint Type
Floor To Floor
With 100-200 mm Gap
(Qty.: 675 Rmt.)

Expansion Joint Type
Floor To Wall
With 100-200 mm Gap
(Qty.: 100 Rmt.)

Expansion Joint Type
Ceiling to Ceiling
(Straight & L-Shape)
With 100-200 mm Gap
(Qty.: 700 Rmt.)

Expansion Joint Type
Wall to Wall
(Straight & L-Shape)
With 100-200 mm Gap
(Qty.: 850 Rmt.)



COMPANY PROFILE

SCON INFRA PRESTRESS LLP commenced its operation in 2009, with a commitment to provide its services & to share its experience in Business of Infrastructure Sector in India, for its future development having its registered office in Mumbai & regional office in Thane with state of the art factory based in Kalyan area.

The Directors of SCON INFRA PRESTRESS LLP were associated with the Reputed Companies in Infrastructure industry mainly expansion joints in Bridges as well as Buildings. The directors have long experiences with international brands like WABO.

We have job references for almost all types of expansion joints ie. Stripseal, Modular, Fingure type, Compression seal, Slab seal, Omega seal, Jeene as well as Low noise expansion joints.(In Bridges).

In buildings we have installed the joints from 50 to 500mm Gap,Floor to floor,wall to wall ,Terrace level with 100% watertight joints. We have successfully installed the joints for last 10 years without any complaint & received repeated orders from same client.

Our Iconic projects G Corp International Building With 350 mm Gap. SCON INFRA PRESTRESS LLP is committed to deliver a quality standard products and reliable services to meet the needs of Indian as well as International standards at all times.

Zone Project Structural Services

SCON Expansion Joint or movement joint is an assembly designed to safely absorb the heat- induced expansion and contraction of construction materials, to absorb vibration, to hold parts together, or to allow movement due to seismic events.

Building faces, concrete slabs, expand and contract due to warming and cooling from seasonal variation, or due to other heat sources. Before expansion joint gaps were built into these structures, they would crack under the stress induced.





Why expansion joints are provided in buildings?

In building construction, an expansion joint is a mid-structure separation designed to relieve stress on building materials caused by building movement induced by: - thermal expansion and contraction caused by temperature changes, - sway caused by wind, - seismic events, etc.

What is an expansion gap?

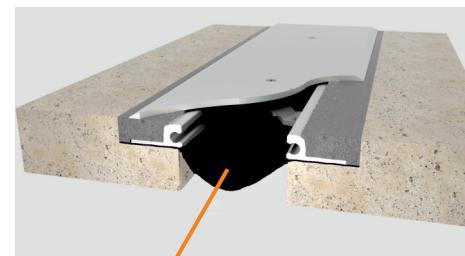
When installing laminate or hardwood flooring you should leave a space between your floor and the baseboard or wall. This space is called expansion gap and allows the laminate or wood floor to expand or contract .

Architectural expansion joints recommended in:

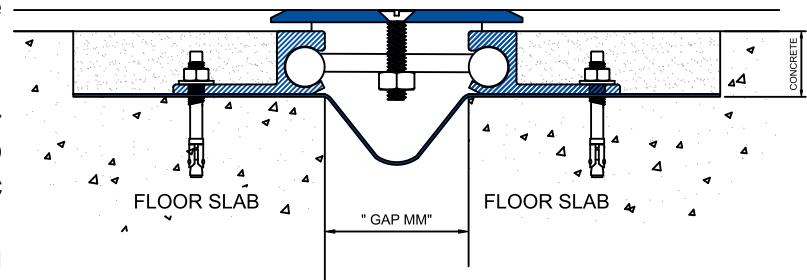
- Commercial Buildings, Residential Buildings
- Hotels, Hospital, Institutional Building, Offices
- Educational buildings
- Airports
- Metro stations & Railway stations
- Parking, Podium structures
- Stadium

TYPES OF ARCHITECTURAL **EXPANSION** **JOINT SYSTEM**

FLOOR TO FLOOR EXPANSION JOINT (SCFF)



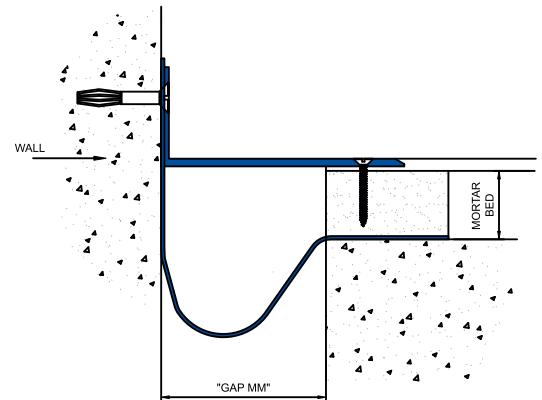
The SCFF model comes with both surface mounted cover plate as well as recessed. Both slide and cover plates are available in aluminum, M.S. and stainless steel options. The self-centering seismic devices allow the slide plate to return to its natural position after a seismic occurrence. Top plate shall be supplied in various colors by Powder Coating or Anodizing to match décor.



FLOOR TO WALL (L-SHAPE) (SCFW)

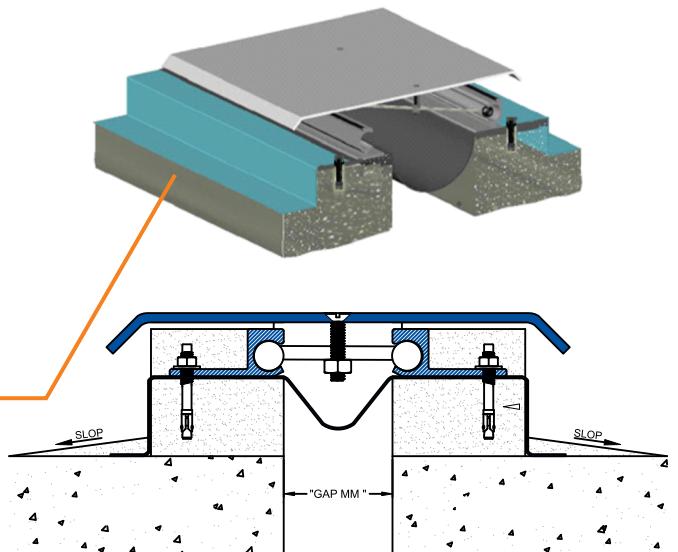


The SCFW Model supplied with cover plates that ride on top of the finished floor. It is a durable and reliable interior floor system capable of accommodating thermal and multi-directional seismic movement.



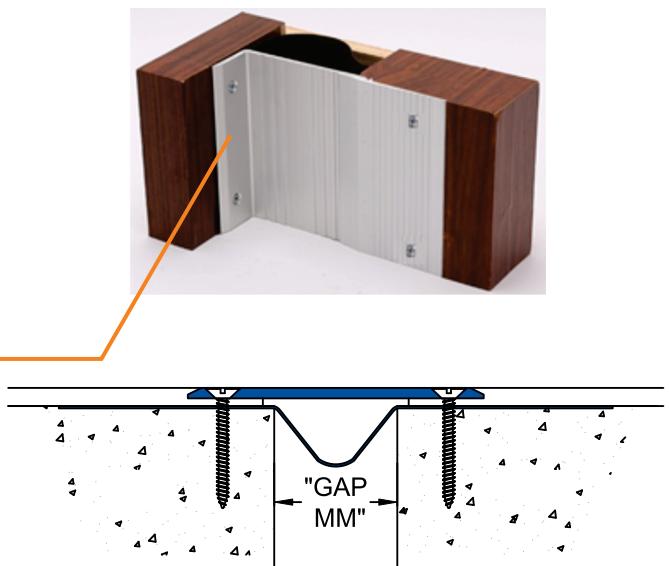
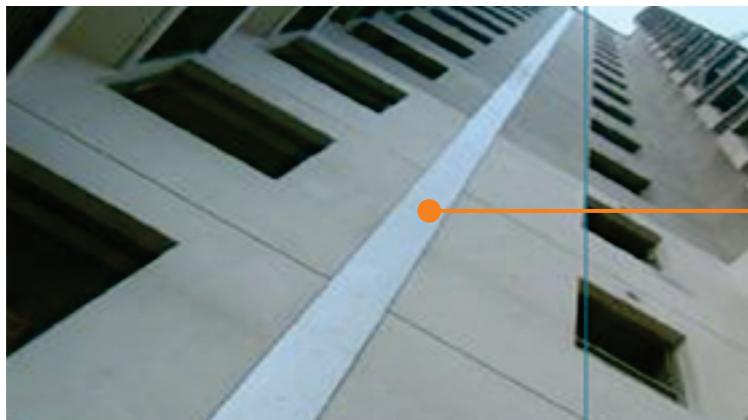
ROOF TO ROOF (SCRR)

The SCRR model are designed to provide continuous extruded cover plate snap-locked to base frame. Cover plate to be fixed with continuous seal at both end of top plate. Top plate shall be supplied in various colors by Powder Coating or Anodizing to match decor.



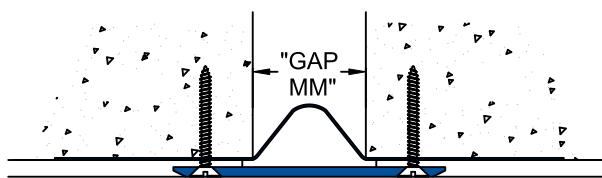
WALL TO WALL (SCWW)

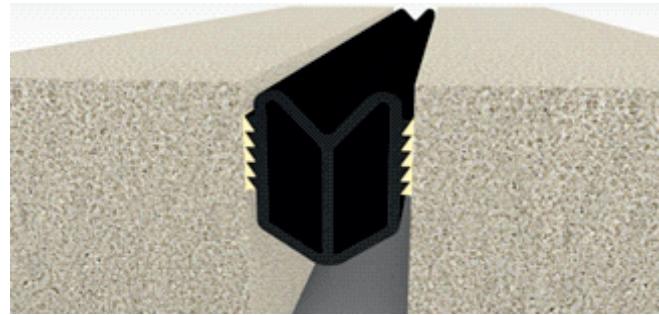
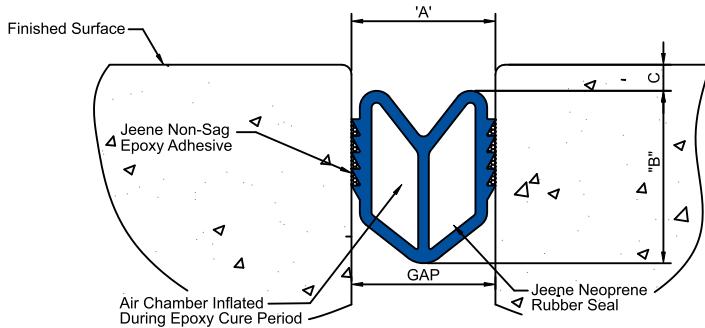
Aluminum expansion joint cover designed to install on to roof and continue waterproofing across joint while accommodating building movement.



CEILING TO CEILING (SICC)

This surface mounted Aluminum ceiling cover is designed for interior applications where low maintenance is desirable.





FEATURES & BENEFITS

- Air pressurized epoxy bond
- Watertight continuous seal
- Patent protected
- Chemical resistant neoprene
- Accommodates complex miters

ADVANTAGES :

- Ease Of Visual Control
- Unnecessary Maintenance
- Increased Durability And Low Cost
- Immediate Recovery Of Any Damage Found
- Best Performance Due To Its Geometric Shape
- Blocking The Penetration Of Impurities In The Joint, Without Interfering With Structural Movements
- Overall Performance, In Special Works Of Art, Against Abrasion And Dynamic Load
- Facility To Recover Damages Implemented Together With Other Materials
- Quality Assurance And Application Materials
- Seal A Joint With Jeene The Process Is An Easy Operation, Fast, Clean And Uniform Finish.
- To Deliver The Site For Use In A Few Hours.

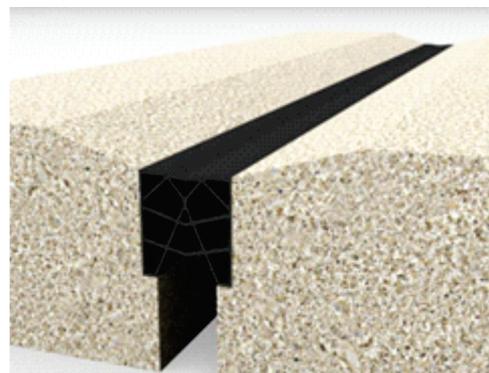
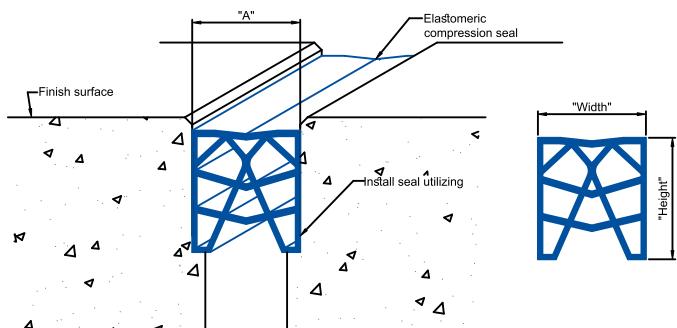
APPLICATION FIELDS

- Reservoirs
- Slopes And Courtyards Of Airports
- Interceptor
- Roads And Tunnels
- Garages
- Dams And Galleries
- Viaducts, Bridges And Walkways
- Pools
- Buildings
- Industrial Floors
- Irrigation Canals
- Among Products And Steel Walls
- Ramps

PIERS

DESCRIPTION:

Jeene is a patented structural sealing joint system comprised of a neoprene profile, which is airpressurized and bonded in place with a specially formulated epoxy adhesive. When properly installed, the high performance Jeene joint system will not tear away, protrude out of, or slip from its original position when exposed to repeated mechanical or thermal movements. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation. Jeene is the most durable, versatile, costeffective, and watertight expansion joint in the industry



DESCRIPTION:

Scon Compression Seal is a preformed elastic joint seal manufactured of neoprene and installed with a lubricant adhesive. It is highly resistant to deterioration from exposure to weather, sunlight, oils and impact. When properly installed, the Scon Compression Seal provides a permanent seal for any type of construction whether in bridges, parking decks, or buildings.

FEATURES & BENEFITS

- Water resistant seal
- 30 year proven history
- Colorable santoprene pedestrian seals
- Floor & wall applications
- Economical and simple

SCON ELASTOMERIC CONCRETE (EXPANSION JOINT HEADER / NOSING)



Scon Elastomeric concrete is a two-component polyurethane expansion joint header with specialty aggregate, 100% solids material for use in exterior construction environments. Scon Elastomeric concrete is a unique mixture which monolithically bonds the expansion joint to the deck, creating a waterproof system. Scon Elastomeric concrete absorbs traffic impact loads and evenly disperses them into the deck, while allowing the system to flex with deck loads. It is resistant to ozone, UV, deicing chemicals, and abrasives. The addition of heat is not required to increase flow or cure the material. It will self level in the blackout.

SCON ARS Series



Model-ARS-25-75MM

Introducing the SCON surface-mounted floor cover by scon infra, a leading name in the Manufacturing & Materials industry. Crafted with an innovative compression technique, our product ensures unmatched durability that exceeds expectations. The extruded design of SCON enhances its quality and performance. Discover the difference of our superior surface-mounted floor cover.

Advantages

- Easy maintenance with minimal effort
- Anti-slip for enhanced safety and stability.
- Expansion and contraction management with compression seal for maximum efficiency and durability.
- Suitable for various floor finishes and wall applications.
- Stylish and visually appealing design for maximum impact.

SCON ARS Series

Product Details

- Suitable for 1" to 3" (25mm to 75mm)
- EDPM Compression seal
- Loading Capacity -2 Ton
- As per IS & ASTM Standard
- EPDM/ Bitumen based waterproofing (Optional)

Color Option of Compression seal

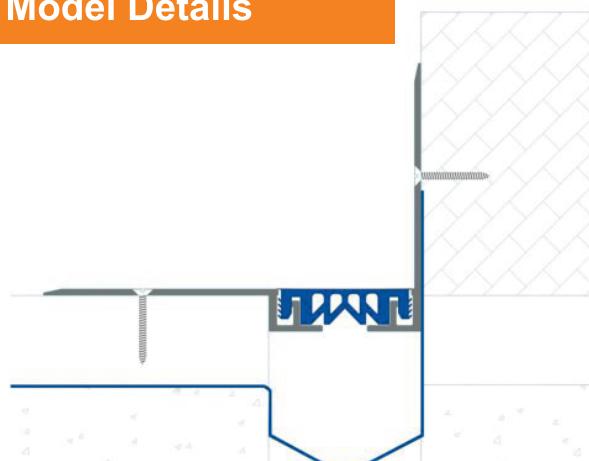


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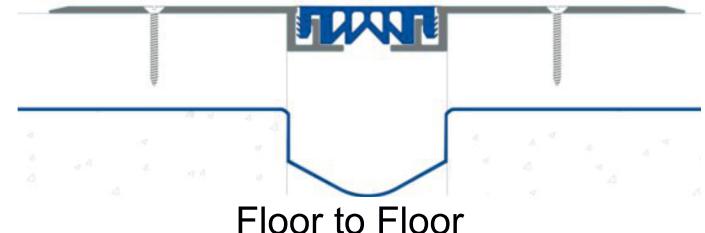


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Model Details



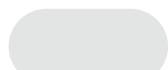
Floor to Wall



Floor to Floor

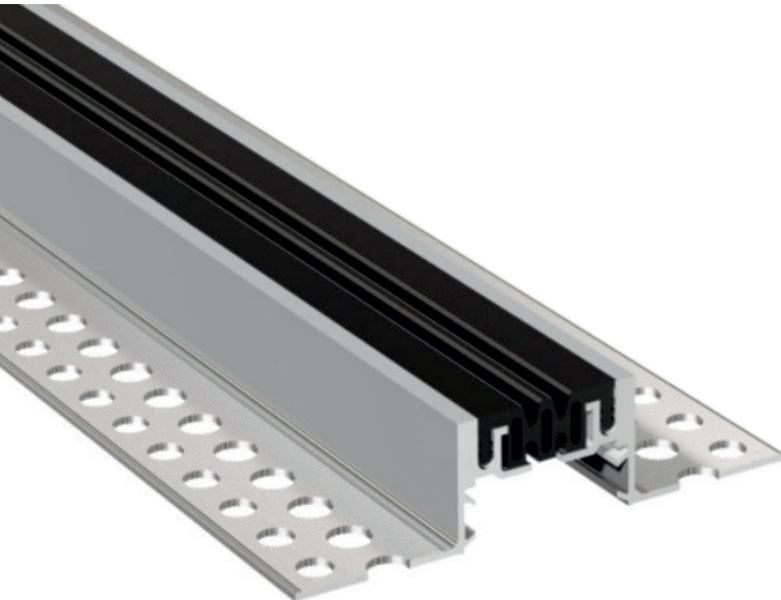
MODEL	FLOOR TO FLOOR	FLOOR TO WALL	WALL TO WALL
ARS-F2F	✓		
ARS-F2W		✓	
ARS-W2W			✓

Standard Finish



Anodized

Model-ARS-25-75MM



Model-ARS-25-75MM

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- Loading Capacity -2 Ton
- As per IS & ASTM Standard
- EPDM/ Bitumen based waterproofing (Optional)

Color Option of Compression seal



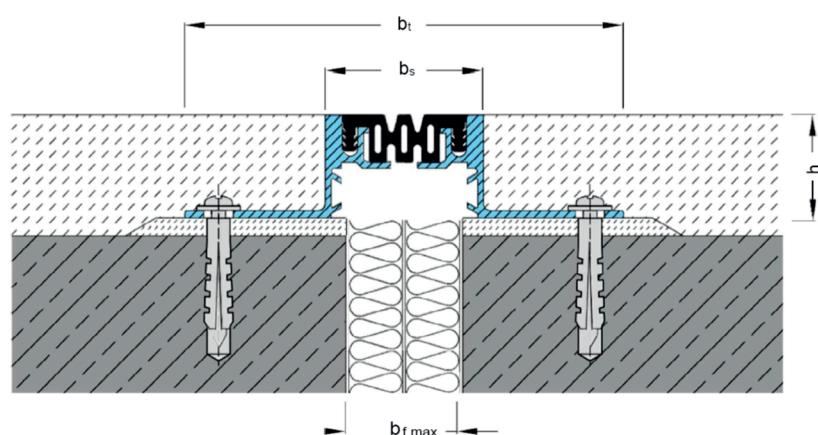
Black



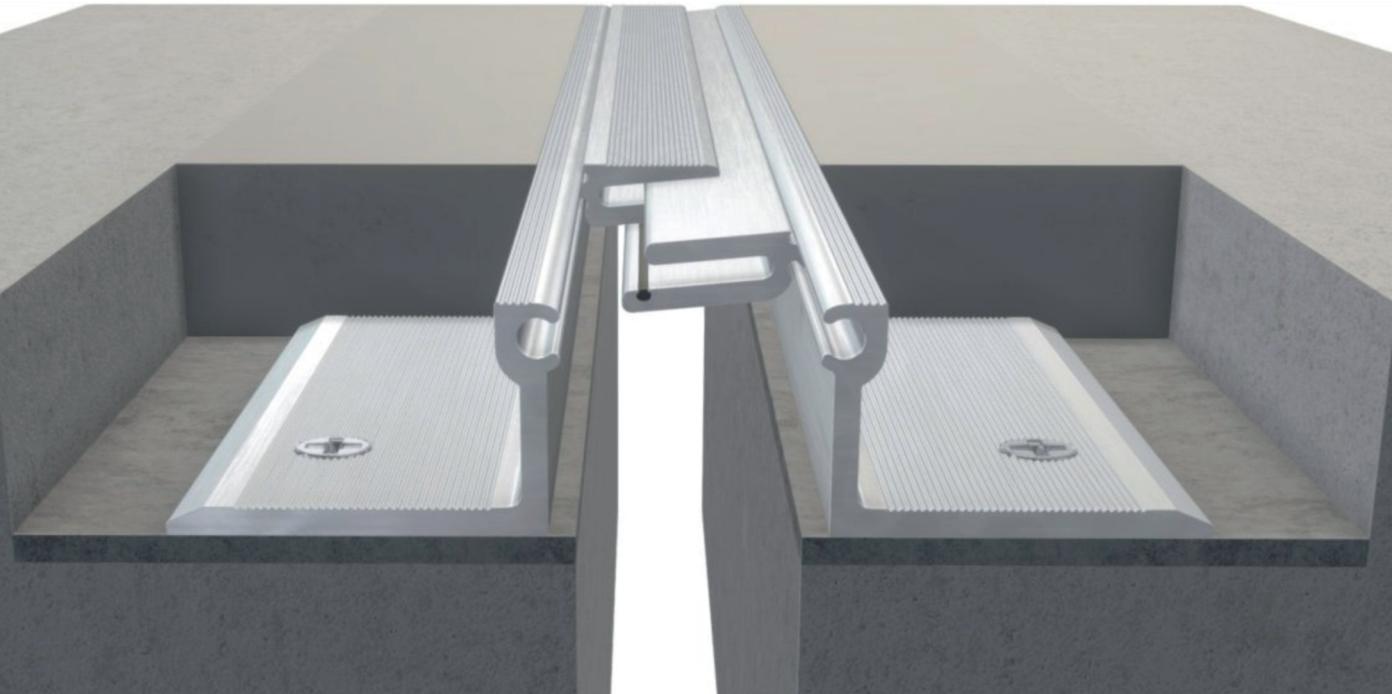
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Advantages

- Easy maintenance with minimal effort
- Anti-slip for enhanced safety and stability.
- Expansion and contraction management with compression seal for maximum efficiency and durability.
- Suitable for various floor finishes and wall applications.
- Stylish and visually appealing design for maximum impact.



SCON ALS Series



Model-ALS -25-75mm

Introducing our interlocking all-metal cover is designed for interior applications that see significant traffic, such as malls, warehouses and airports. It has a unique interlocking design that **allows for horizontal movement and some vertical deflection and can withstand heavy rolling loads.**

Advantages

- Maintains a virtually flush finish
- Interlocking design for durability
- Ideal for parking, Non parking or traffic grade applications.
- Highly resistant to rolling loads, distortion, and wear. Used in areas of heavy duty loading such as forklifts and trucks with pneumatic tires
- Stylish and visually appealing design for maximum impact.

SCON ALS Series

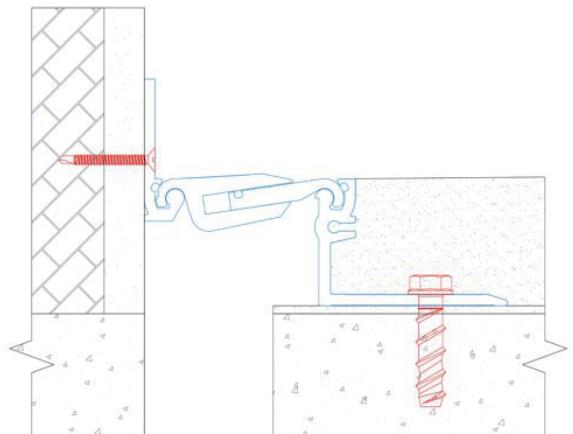
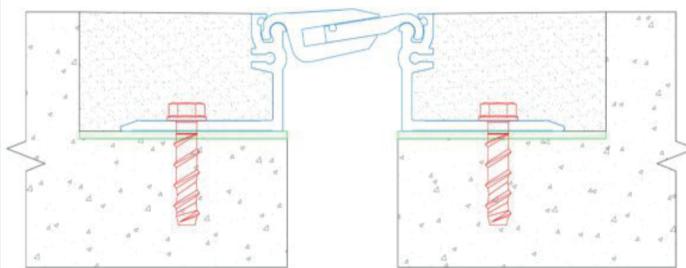
Product Details

- Suitable for 1" to 3" (25mm to 75mm)
- Section Length available upto 3 meter
- Loading Capacity - as per design
- As per IS & ASTM Standard

Color Option of Aluminium section

Aluminum section shall be supplied in standard color by anodizing

Model Details



Floor to Floor

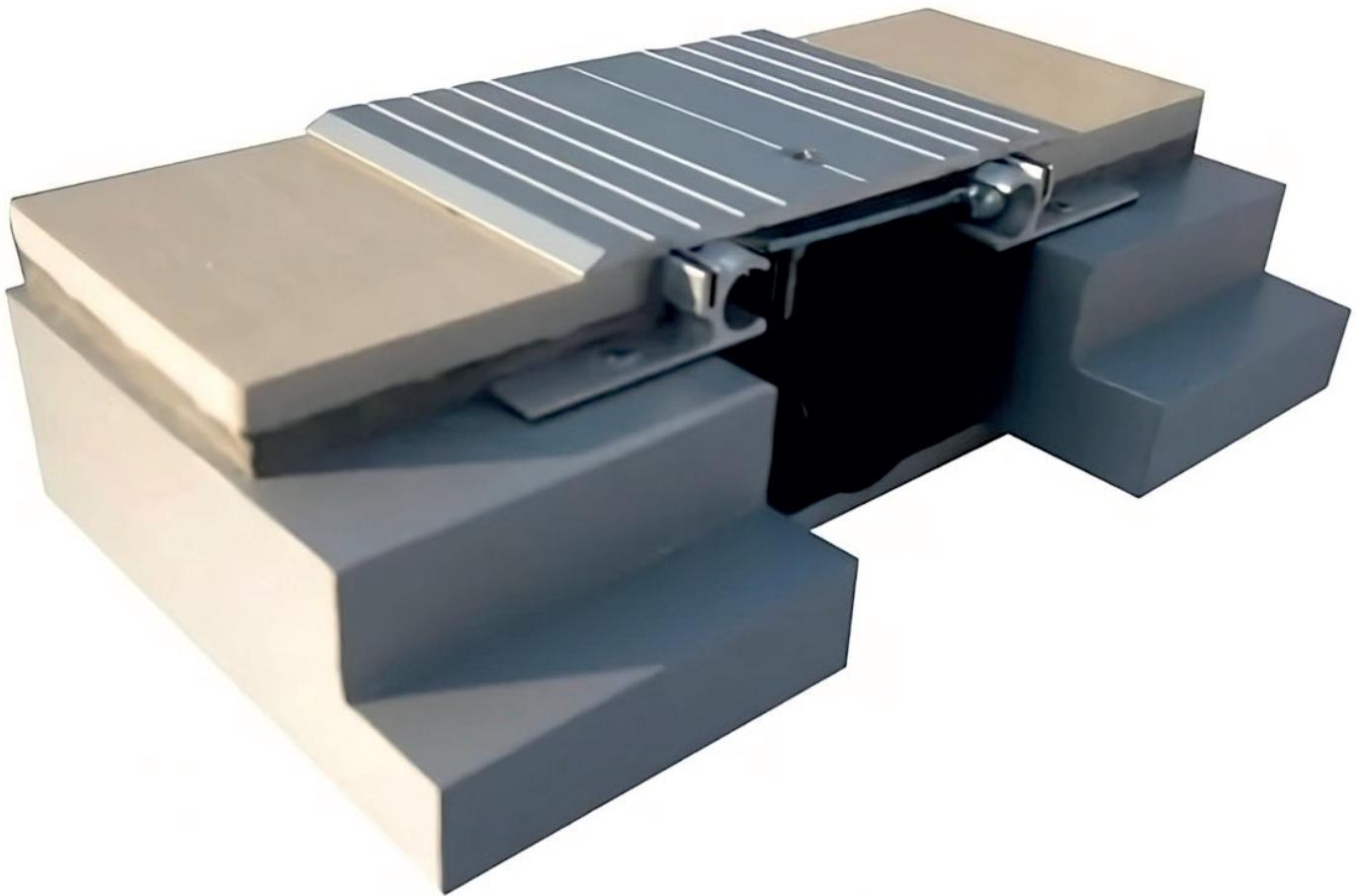
Floor to Wall

Finish Color

mill

MODEL	FLOOR TO FLOOR	FLOOR TO WALL	WALL TO WALL
ALS-F2F	✓		
ALS-F2W		✓	
ARS-W2W			

SCON SMJ Series



Model-SMJ -100-600

Introducing our vehicle access surface-mounted system from SCON INFRA. This model is designed with advanced features, including an extruded aluminum plate with anti-skid properties and a profile section.

The self-centering seismic devices ensure that the slide plate returns to its natural position after a seismic occurrence.

The top plate can be customized with various colors through powder coating to match any decor.

Advantages

- Easy maintenance with minimal effort
- Anti-slip for enhanced safety and stability.
- Ideal for parking , Non parking or traffic grade applications.
- Self centering alignment & multi directional movement
- Stylish and visually appealing design for maximum impact.

SCON SMJ Series

Product Details

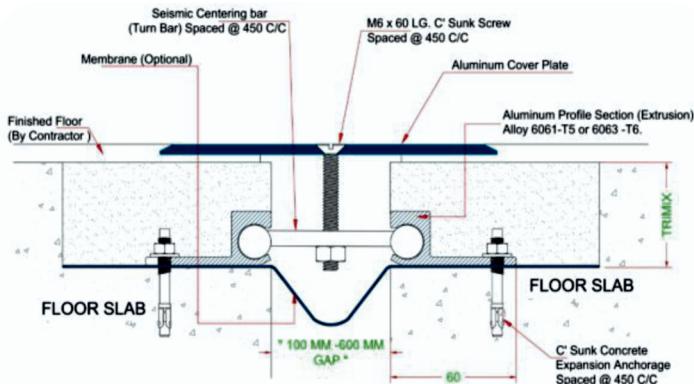
An architectural line of thermal, seismic, waterproof expansion joint systems meeting the aesthetic and structural demands of airports, hospitals, shopping malls and other building types.

- Suitable for 4" to 24" (100mm to 600mm)
- Self centering alignment bar for multi directional movement
- Loading Capacity - as per design
- As per IS & ASTM Standard
- EPDM/ Bitumen based waterproofing (Optional)

Color Option of Cover plate

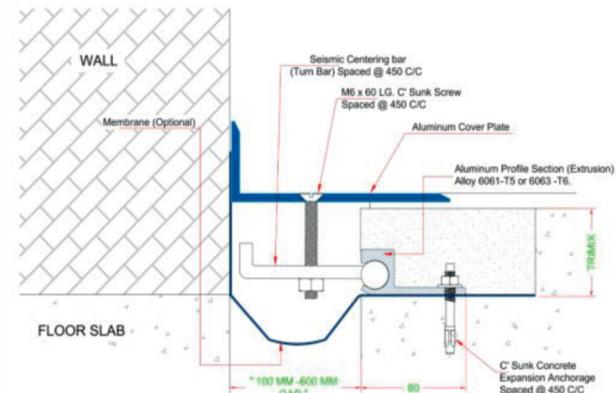
Top cover plate shall be supplied in various colors by powder coating.

Model Details



Floor to Floor

Finish Color



Floor to Wall

MODEL	FLOOR TO FLOOR	FLOOR TO WALL	WALL TO WALL
SMJ-F2F	✓		
SMJ-F2W		✓	
ARS-W2W			

mill

SCON SMT Series

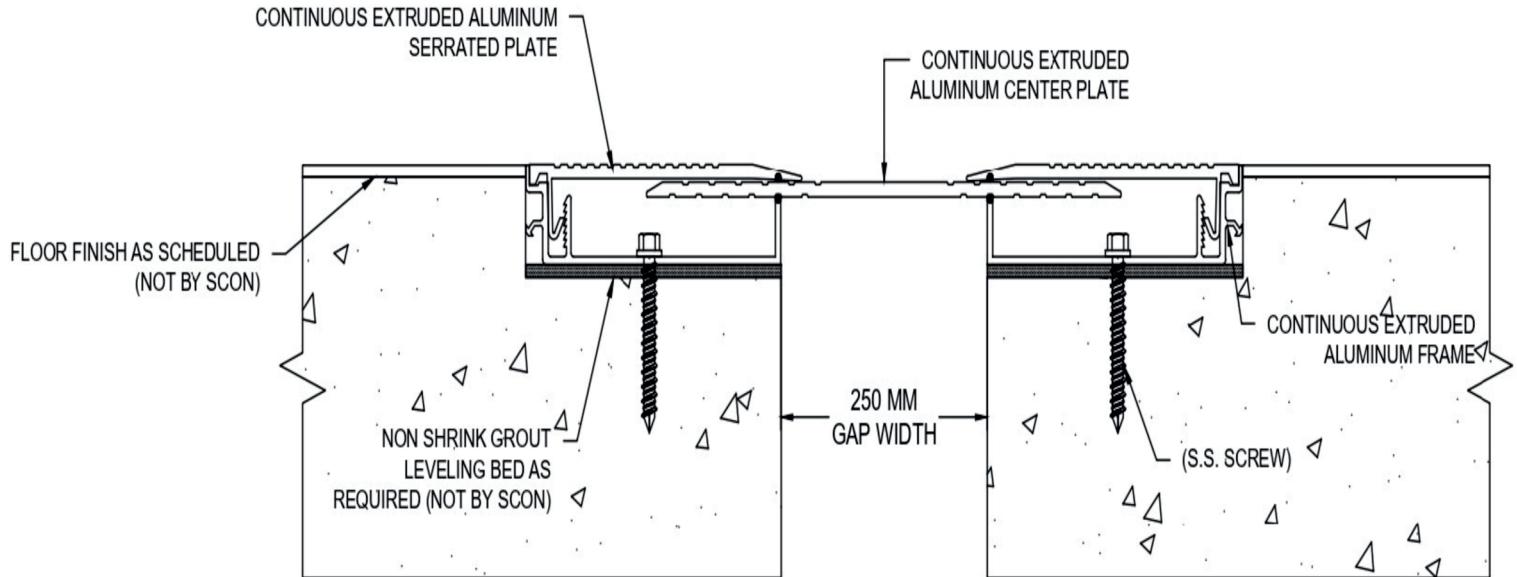


Product Description:

An architectural line of thermal, seismic, waterproof and fire rated expansion joint systems meeting the aesthetic and structural demands of airports, hospitals, shopping malls and other building types.

- Featuring a Glide Plate System
- Simple installation process
- Durable architectural aluminum frames and covers
- Exposed or recessed receiver cover styles
- NO-BUMP configuration makes the system Compliant
- Ideal for carpet, vinyl, ceramic tile and other floor finishes

SCON SMT Series



BASIC USES:

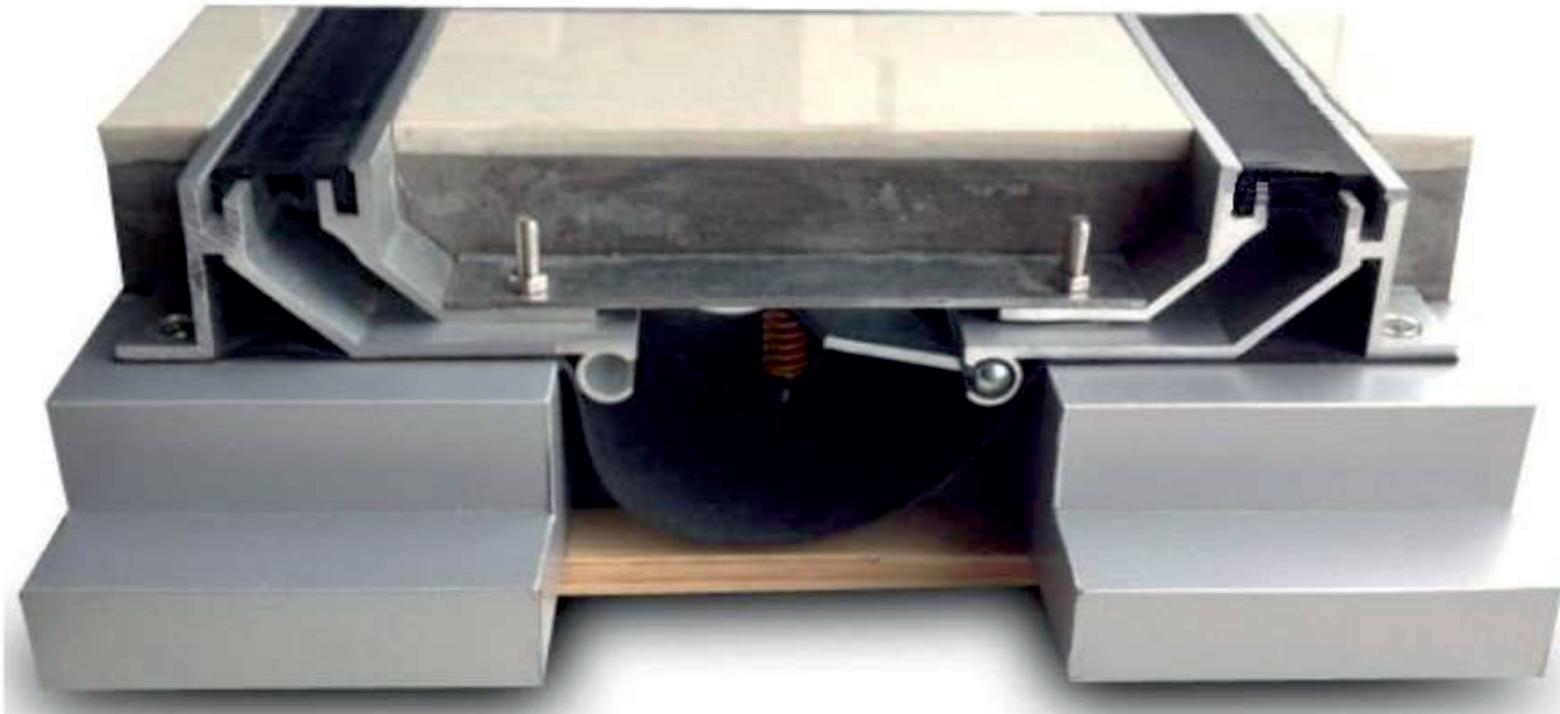
Application: floor to floor

MATERIALS:

Extruded Aluminum Frame: ASTM 6063T5 Mill finish, anodization

Aluminum Plate: 1060

SCON STF Series



PRODUCT DESCRIPTION:

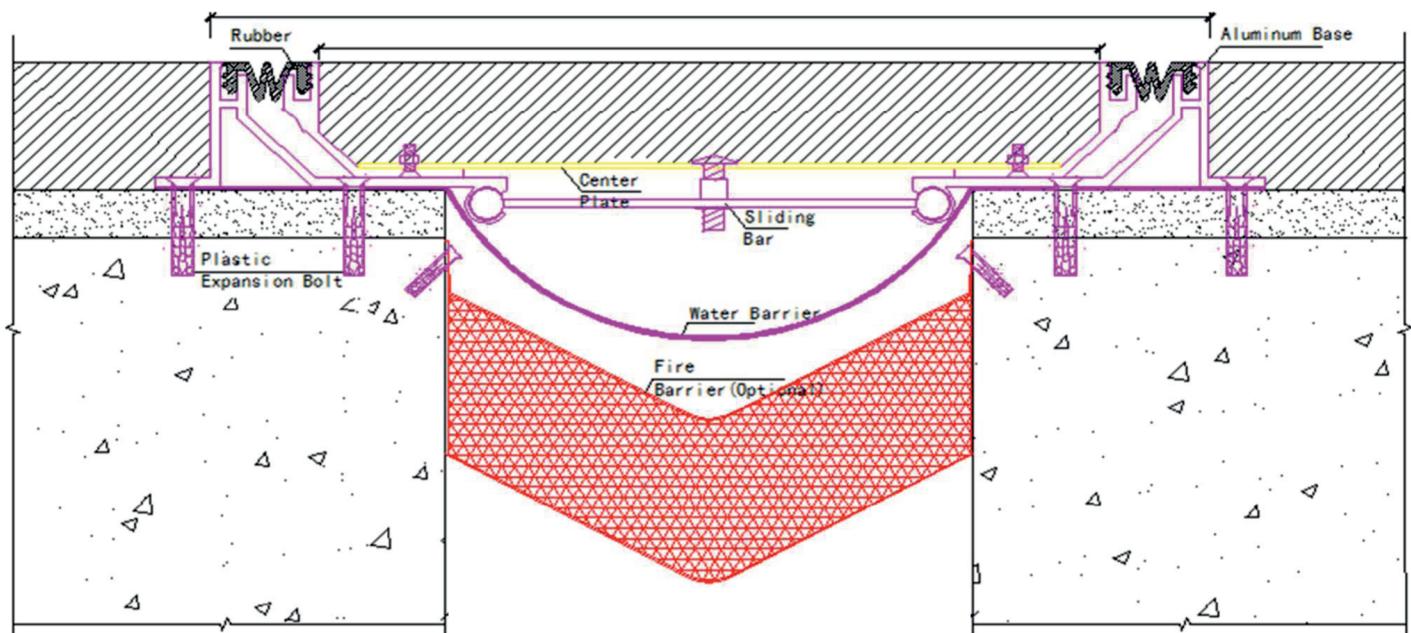
SCF-FEJ model is an aluminum floor cover comprised of two extruded aluminum frames and galvanized steel centering plate.

BASIC USES:

Floor expansion joint cover is ideal for carpet areas where slim sightlines are required for aesthetic reasons.

Interior and exterior seismic applications for cover concealment in deeper floor recesses. Recess mounted floor joint covers featuring two PVC gaskets and a deep recess to take thick floor tiles, terrazzo etc

SCON STF Series



MATERIALS: Metals

Extruded Aluminum: ASTM 6063-T5 Centering Plate: Galvanized Steel

Rubber: EPDM / A.P.P Membrane for water Barrier

Water barrier: 1mm thick EPDM Centering bar: Galvanized Steel

FINISHES:

Aluminum: Anodised finish.(Optional)

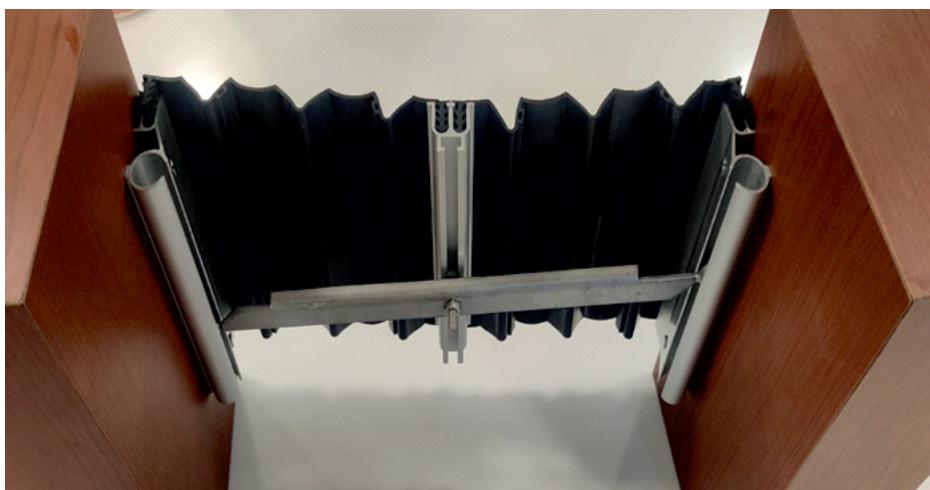
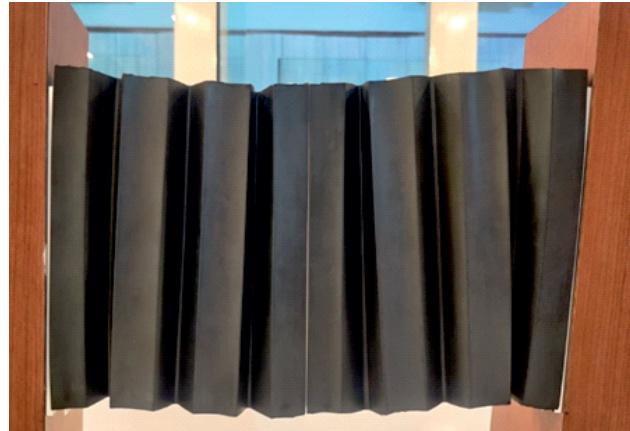
ACCESSORIES/FASTENERS:

Screws, centering bars, water barrier and fire barrier (if needed) are required installation

LIMITATIONS:

Joint width of STF expansion joint cover sections are 500mm maximum.

Cover-SCW-WEJ-100-450



PRODUCT DESCRIPTION:

SCW-WEJ model is an aluminum wall cover comprised of two extruded aluminum frames and EPDM rubber in the front and at the back.

BASIC USES:

Flush mount interior and exterior system reduce sightline Frames designed to attach to most exterior finishes Standard black rubber or other colors by request

MATERIALS:

Extruded Aluminum: ASTM 6063-T5,
Anodized finish Rubber seal: EPDM

MOVEMENT :

X movement: $\pm 50\%$
Y movement: $\pm 50\%$

Cover-SCW-WEJ-100-450

Wind Pressure:

Can withstand 3Kpa

ACCESSORIES/FASTENERS:

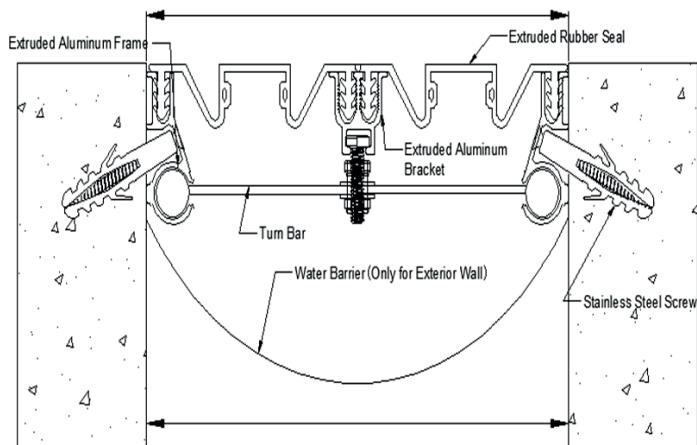
Screws, centering bars, water barrier and fire barrier (if needed) are required for complete installation.

LIMITATIONS:

Joint width of SCW-WEJ expansion joint cover sections are 450mm maximum.

WARRANTY:

SCON warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty, we will replace any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject products. SCON shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.



Wall To Wall

DRAWING OF SCW-WEJ-100-450

Finish Color



MODEL	FLOOR TO FLOOR	FLOOR TO WALL	WALL TO WALL
SMJ-F2F			
SMJ-F2W			
ARS-W2W			✓

SCON SMJW Series



Model-SMJW-100-600

Introducing our wall to wall system from SCON INFRA. This model is designed with advanced features, including an extruded aluminum plate with a profile section. The self-centering seismic devices ensure that the slide plate returns to its natural position after a seismic occurrence. The top plate can be customized with various colors through powder coating to match any decor.

Advantages

- Easy maintenance with minimal effort
- Ideal for parking, Non parking or traffic grade applications.
- Stylish and visually appealing design for maximum impact.
- Designed for interior wall, ceiling and exterior wall
- Ideal for different wall finishes
- Better durability & Beautiful surface

SCON SMJW Series

Product Details

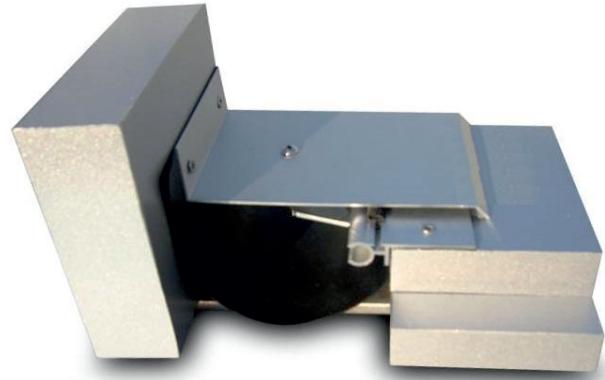
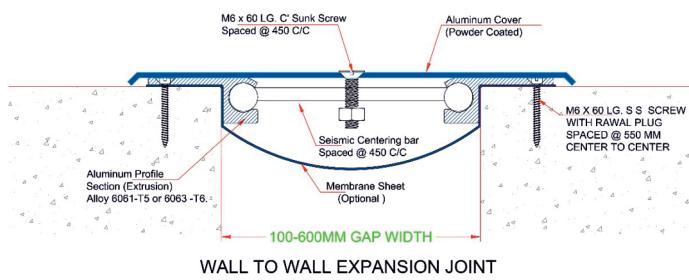
An architectural line of thermal, seismic, waterproof expansion joint systems meeting the aesthetic and structural demands of airports, hospitals, shopping malls and other building types.

- Suitable for 4" to 24" (100mm to 600mm)
- Self centering alignment bar for multi directional movement
- Loading Capacity - as per design
- As per IS & ASTM Standard
- EPDM/ Bitumen based waterproofing (Optional)

Color Option of Cover plate

Top cover plate shall be supplied in various colors by powder coating.

Model Details



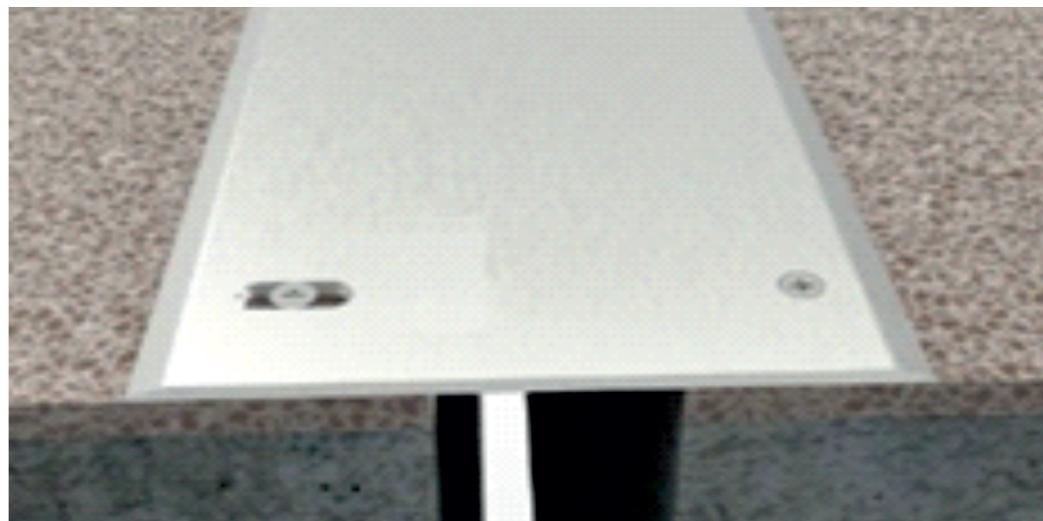
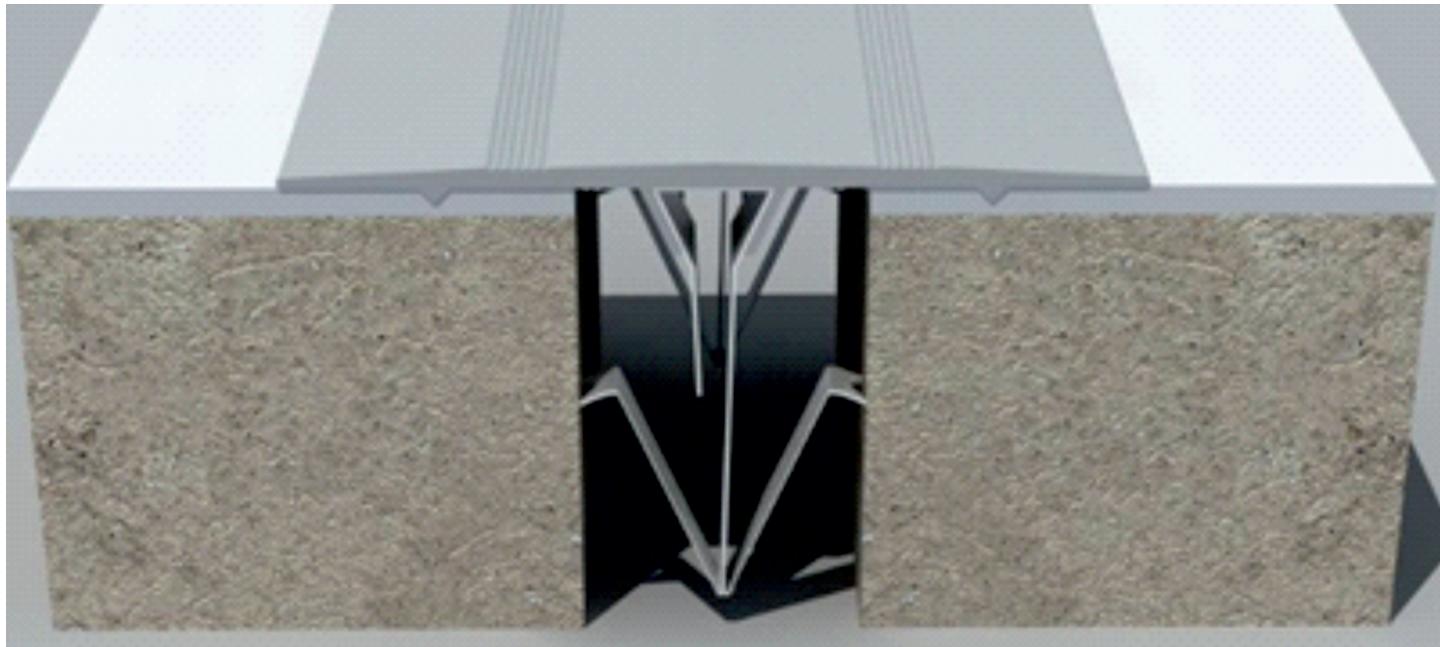
Wall To Wall (L Shape)

Finish Color

MODEL	FLOOR TO FLOOR	FLOOR TO WALL	WALL TO WALL
SMJ-F2F			
SMJ-F2W			
SMJW-W2W		✓	

mill

SCON COVER PLATES



Product Description:

SCON Infra designed to provide an attractive, decorative and economical solution to the problem of protecting and concealing expansion joints in the structure of a building. They are suitable for use in new and refurbishment projects for walls, ceilings and floors

BASIC USES:

- Surface mounted rigid cover strips and plates
- Quick and easy installation
- Interior applications
- Ideal for retrofit situations

MATERIALS:

Aluminum: Mill finish, anodisation & powder coated

- System components are universal offering solution to a variety of project conditions.
- Accommodates multi directional seismic movement.
- Moisture barrier membrane for complete water tightness.
- Top plates Covers available in Aluminum or stainless steel or M.S. Steel option.
- Regain its original position after movement occurrence.
- Maintenance free and minimum time required for installation.
- Rugged, durable and offers resistance to ice, snow, ozone and ultra violet rays etc.

ARCHITECTURAL EXPANSION JOINT INSTALLATION PROCEDURE

Cleaning of Surface

The concrete surface of the wall member where Expansion joint is to be fixed should be properly clean by removing the loose concrete, plaster, mortar or dust if any.

Application of Primer

After making the block out, primer should be applied to the base by brush. The purpose of the same is to make the proper bonding between the plaster surface of wall and the membrane.

Fixing of Membrane

Membrane acts as water barrier. The membrane should be fixed in position by using the heating torch. The gas torch is used to make the membrane viscous by making it hot so that it can be easily fix to the structure.

FIXING THE EXTRUSION AND TOP PLATES

A block out of micro concrete is prepared to suite the slope of existing floor finish. The size of the block out is approximate 300x100 mm. or as required as per site conditions, should be prepared by main contractor /client.

Block out area should be cured properly to get good strength.

Aluminum extrusion is fixed with suitable anchor fasteners as required.

Anchor should be drilled at 0.500 meter c/c. in throughout length.

The base bar should be inserted in extrusion at .500 meter c/c simultaneously.

Top plate is fixed by using counter sunk bolts with base bar.

APP Modified Bitumen Membrane

The APP membrane is a special waterproofing material that is manufactured from Bitumen. They come in rolls. Each roll measures 10 meters by 1 meter and covers an area of 8.7 m². With proper workmanship, the APP membrane is a very efficient and durable waterproofing material used in most constructions. It is a common waterproofing material used on concrete flat roofs (which are still roofs) or roofs with low pitch. Apart from concrete roofs and low pitched roofs, other areas of application are concrete gutters, basements and retaining walls.

BENEFITS OF APP MEMBRANE

Some advantages of using the APP membrane is that it has enhanced bitumen performance which helps in UV resistance. It is not affected by rapid changes in temperature and is still efficient during extreme hot and cold temperatures. APP waterproofing membranes also provide superior tensile strength while maintaining critical flexibility – even in the coldest environments which make it hard to crack.

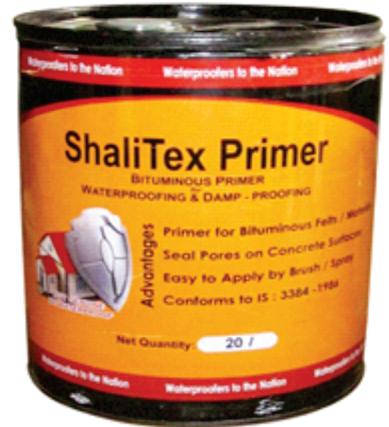
OUTSTANDING FEATURES OF APP MODIFIED BITUMEN MEMBRANE

- Applicable on all sloping surfaces: on flat, vertical and curved surfaces.
- Excellent product for all weather conditions.
- Lightweight: prevents any excessive weight on the roof or the building structure.
- Good resistance to fatigue and tear.
- Longer lasting product



Description

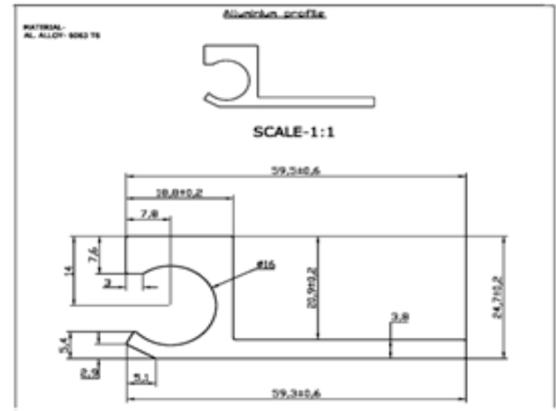
ShaliTex Primer is a solvent based bituminous primer that seals pores in surfaces such as concrete and improves the adhesion of bituminous materials that are to be applied to the substrate. It is suitable for brush or spray application. It conforms to the requirement of IS: 3384-1986.



Advantages

- Seal pores on surfaces such as concrete.
- Improves the adhesion of bituminous material that is to be applied to the substrate.

Aluminum Profile Sections



Sr.No. Parameter

1. Material
2. Ultimate Tensile Strength in N/mm²
3. Hardness in BHN
4. % Elongation

Descriptions

Aluminum Alloy 6063-T6
185 Minimum
75 BHN
7% Minimum

Aluminum Alloy 6063 – T6 Extrusion

Aluminum Alloy 6063 is a medium strength alloy commonly referred to as an architectural alloy. It is normally used in intricate Extrusion.

It has a good surface finish, high Corrosion resistance, is readily suited to welding and can be easily anodized. Most commonly Available as T6 temper, in the T4 Condition it has good formability

SOME OF OUR PROJECTS



**G-CORP INTERNATIONAL BUILDING
AT THANE (350MM GAP)**



**HEBBAL
HIRANANDANI PROJECT AT BANGLORE**



**MOHAN GROUP,
KALYAN (100MM GAP)**



**RUSTOMJEE URBANIA,
THANE, (150MM GAP)**



**ASHFORD INFOTECH PVT.LTD,
MUMBAI, (100MM GAP)**



**HALLMARK INFRA PROJECTS,
THANE (75MM GAP)**

SOME OF OUR PROJECTS



**RAHEJA ACROPOLIS
GOVANDI, MUMBAI (100MM GAP)**



**VEDANT CONSTRUCTION,
THANE (150MM GAP)**



**AJMERA AEON & ZEON,
MUMBAI (100MM GAP)**



**MARATHON INNOVA
LOWER PAREL, MUMBAI (150MM GAP)**

- TATA HOUSING, THANE
- SHAHU COLLEGE, PUNE
- PARKING COMPLEX, MAHABALESHWAR
- BAFNA BUILDERS, NASHIK
- HAWRE FUNTASIA MALL, VASHI
- LIGHTHALL-H, HIRANANDANI, MUMBAI
- ARIHANT ASPIRE, PANVEL
- P ZON INFRATECH PVT. LTD, LUCKNOW
- MELLINIUM ATLAS PROJECT, THATAWADE, PUNE
- G.K.ARCON BUILDING PROJECT, PUNAWALE
- RADIANCE FLOURISH PROJECT, CHENNAI
- COMMERCIAL SPORTS COMPLEX WITH BUS STATION BUILDING PROJECT FOR NMMC (CPWD)
- AMARDEEP ANUTHAM, MULUND, MUMBAI
- RAHEJA HOUSE, MUMBAI
- TORRINO-HIRANANDANI, PROJECT BANGLORE
- SHANGAVI WHEELS,
- VERTEX NEWTON PROJECT, KALYAN
- NAVAL AIRFORCE WORKSHOP FOR INDIAN NAVY
- HOSPITAL BUILDING TAMLUK, WEST BENGAL (CPWD)
- TRIVENI MAJESTA PROJECT AT KALYAN WEST
- MOUNT RESORT PROJECT AT CHEMBUR
- COMMERCIAL BUILDING OF AKSHAY CORPORATION, MUMBAI

....and many more

OUR GLOBAL PRESENCE



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