

EXPANSION JOINT SYSTEMS



Improving life safety and building integrity by providing structures with the flexibility to naturally shift and move

QUICK REFERENCE GUIDE



ANKIT POLYMERS

Expansion Joint Cover Systems

- Blend in with surroundings
- Accommodate building movement
- Meet recognized building codes
- Tested to high performance standards

Warehouses & Data Centers
Parking Garages
Hospitals & Medical Facilities
Airports
Schools & Universities
Shopping Centers & Malls
Hotels & Casinos
Stadiums & Arenas
Convention Centers
High-rises

INCLUDES:

SEISMIC
JOINT
SYSTEMS
AND
silent

Scan for more:



www.dseal.in



COMPANY INTRODUCTION



ANKIT POLYMERS has been helping specifiers, contractors and end users to solve complex building movement problems for over 10 years. From early design and product selection, right through to practical considerations at the installation stage, we are here to help you avoid costly mistakes. If required, our experienced Conspec Contracts team can fit our joint covers for you, to ensure snag free project delivery.

Our standard range featured in this brochure includes a wide selection of floor, wall, ceiling, exterior and car park models to suit most situations. However, if you cannot find a product which meets your performance or aesthetic requirements, be sure to contact us. As part of a global company, we have access to the most comprehensive line of expansion joint covers in the world. Our team of technical experts can also work with you to design a custom cover that meets your specific needs.

Conceal | Protect | Cover | Seal | Move



COMPANY PROFILE

Ankit Polymers operates throughout India and has key manufacturing locations or Sales Offices in the Delh-NCR region. The NCR Head Office, based in Gurugram, is the sales and manufacturing hub for servicing markets across India through a network of experienced and professional technical sales representatives and agents.

Our product range includes Expansion joint tapes and adhesives, wall and corner protection, bespoke wall coverings, impact resistant doorsets, entrance matting, performance coatings, expansion joint covers, serviced wall systems, solar shading, cubicle curtain track, architectural louvres and explosion venting.

These have been successfully installed in many of Asia's most prestigious buildings, across a spectrum of business sectors including healthcare, transport, retail, leisure and commercial offices.

THE ANKIT POLYMERS DIFFERENCE



With decades of global experience, your project is in capable hands with us. ANKIT POLYMERS has the most comprehensive, tried and tested expansion joint products range in the world, along with a team of experts to offer technical and practical advice at every project stage.

BESPOKE DESIGN

We understand that every project is unique and our standard designs may not always fit the bill. Our technical experts can work with you to design a bespoke solution that meets your project's specific requirements.



TECHNICAL ADVICE

Our website provides a wealth of product information, from handy guides and technical articles, to CAD details and case studies, to assist you with selection of the correct joint cover solution for your project.

We are here to help you every step of the way, so if you are unsure which model to specify, please contact us for advice.

PROJECT SUPPORT

We offer an estimating service, and site surveys where required, to ensure accurate quotations. Technical assistance and site visits can be arranged at every project stage. If you just need a budget figure to work with, quick estimates can also be requested via email or a simple form on our website.

FLEXIBLE TPE EXPANSION JOINT TAPE

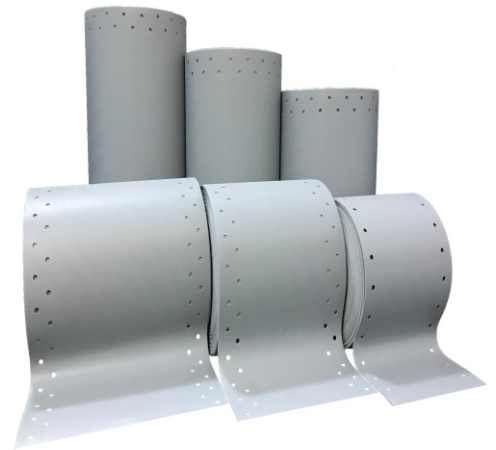


(For Expansion/Contraction/Construction/Movement joints in civil structures)

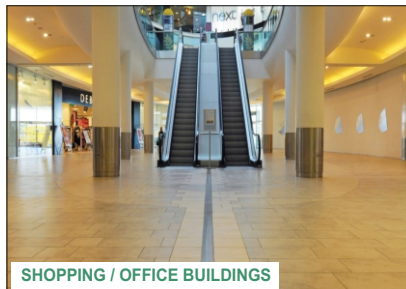
ElastPro Flexible TPE Expansion Joint Tapes are made of thermoplastic elastomer material laminated with hole punching on both sides, designed specifically to provide insulation and waterproofing of high movement expansion gaps, suitable across various surfaces/substrates, providing water tightness. Highly flexible, root-proof, UV and chemical resistant.

These tapes are pasted using 2-Component epoxy adhesives.

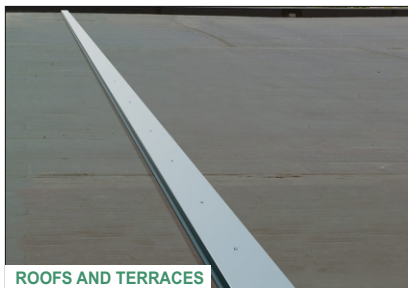
APPLICATION AREAS



FACADES



SHOPPING / OFFICE BUILDINGS



ROOFS AND TERRACES



AIRPORTS



CAR PARKS / BASEMENTS



TUNNELS



POWER PLANTS



SWIMMING POOLS

- Waterproofing horizontal and vertical dilatation joints. Waterproofing wide and irregular cracks. Connection joints of slabs and walls.
- Suitable substrates are concrete, mortar, wood, metal, steel, aluminum, epoxy mortar, natural and artificial stones and many other building materials.

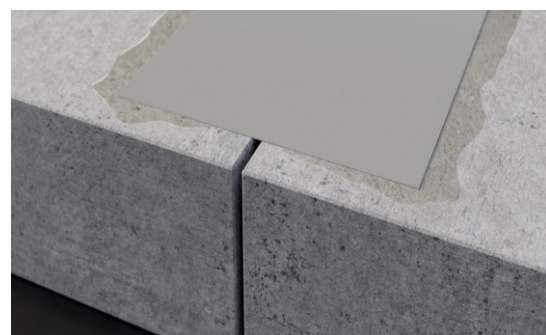
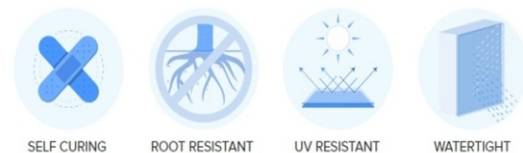
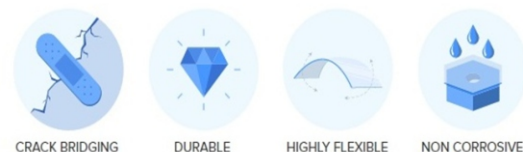
ADVANTAGES



Highly flexible TPE material with fleece lamination.
Excellent adhesion, easy repairable and rupture resistant.
Root-proof, water, weather, UV and chemical resistant.

TECHNICAL FEATURES:

| Property | Unit | Method | Value |
|--------------------------|-------------------|------------|----------------|
| Shore Hardness (15 sec.) | Shore A | ASTM D2240 | 80 |
| Tensile Strength | N/mm ² | ASTM D882 | > 7 |
| Elongation at Break | % | ASTM D882 | > 600 |
| Peel Strength | N/mm ² | ASTM D3807 | > 8 |
| UV Resistance | Hours | ASTM G154 | > 6000 |
| Service Temperature | Celsius | | -40°C to +80°C |
| Water Resistance | Bar | | > 8 |



APPLICATION PROCEDURE

Surfaces must be clean, sound and dry. On damp surfaces the pull off strength should be tested. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, wax, formwork release oil and similar contaminants must be removed prior to application. Over Concrete surfaces if necessary the substrate must be sanded to guarantee optimal adhesion of ElastPro Adhesives. Verify the substrate has been properly cured. Concrete should obtain 80% of design strength, typically achieved within 3-14 days. Irregularities on the substrate must be repaired.

1. ElastPro Adhesives is applied to the prepared substrate on both sides of the joint so both sides of the tape are embedded into the adhesive on a width of at least 1 1/2" (38mm).
The layer thickness of the Adhesive should be approx. 0.08" (2.0mm).
2. The Tape is then immediately embedded into the fresh adhesive and pressed onto the adhesive using a hand roller or a similar suitable tool. Ensure the tape has good contact to the adhesive everywhere.
3. Then a second layer of Adhesive is applied on top of the Tape so that the edges of the tape are over coated on a width of min. 2" (50mm). Also, apply Adhesive so that it covers the substrate next to the tape on a width of at least 3/4" (19.0mm).

DIMENSIONS & PACKAGING

25 meter roll length, 1 and 2 mm thickness. 150,200,300,400,500,600 MM width rolls available.
Customization optional for bulk quantity.

FELT REINFORCED FLEXIBLE EXPANSION JOINT TAPE

(For Expansion/Contraction/Construction/Movement joints in civil structures)



ElastPro Felt Reinforced Flexible Expansion Joint Tapes are made of thermoplastic elastomer material laminated with alkali resistant non-woven polyester fleece, designed specifically to provide insulation and waterproofing of high movement expansion gaps, suitable across various surfaces/substrates, providing water tightness. Highly flexible, root-proof, UV and chemical resistant.

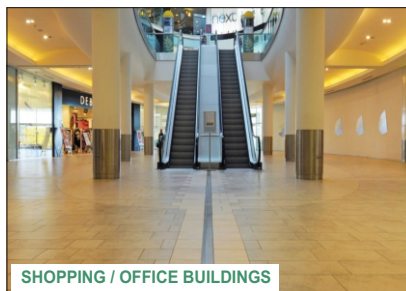
These tapes are pasted using 2-Component epoxy adhesives, suitable waterproofing liquids and cementitious mortar.

Thus significantly reducing application cost and increased efficiency.

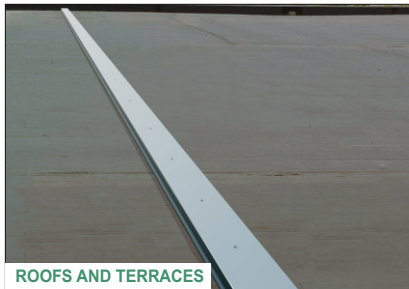
APPLICATION AREAS



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POWER PLANTS



SWIMMING POOLS

- Waterproofing horizontal and vertical dilatation joints. Waterproofing wide and irregular cracks. Connection joints of slabs and walls.
- Suitable substrates are concrete, mortar, wood, metal, steel, aluminum, epoxy mortar, natural and artificial stones and many other building materials.

Highly flexible TPE material with fleece lamination.
Excellent adhesion, easy repairable and rupture resistant.
Root-proof, water, weather, UV and chemical resistant.



APPLICATION PROCEDURE

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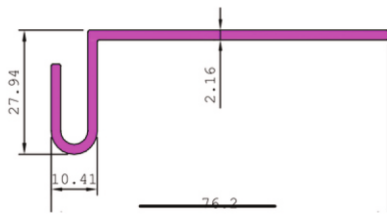
TECHNICAL FEATURES:

PRODUCT CODE : TPE-TEX 200, 230, 250, 300, 400, 500.

PACKAGING: 30 M Roll

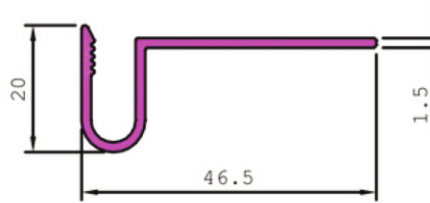
SHELF LIFE: 36 months unopened under suitable storage conditions (in a dry and cool environment, in its original packaging).

| TEST | STANDARD | UNIT | VALUE |
|---|--|-------------------|----------------------|
| Tensile Strength (Transverse) | EN-ISO 527-3 | MPa | 4,7 |
| Elongation at Maximum Load (Transverse) | EN-ISO 527-3 | % | 580 |
| Tear Propagation Strength (Transverse) | EN-ISO 12310-2 | N/mm ² | 48 |
| Hardness | ISO 868 | Shore A | 55 |
| Chemical Resistance | Water-based and bitumen-based foundation insulations, Sea water, Waste water, UV rays, Hydrolysis, Microorganism | | |
| Colour | Grey, Blue | | |
| Water Pressure Resistance | EN 1928 | Bar | > 5 |
| Cold Folding | SIA 280/3 | - | No Cracking at -30°C |
| Service Temperature | SIA V280/3+4 | - | 30 / +80°C |
| Thickness | | mm | 1 - 1.5 |



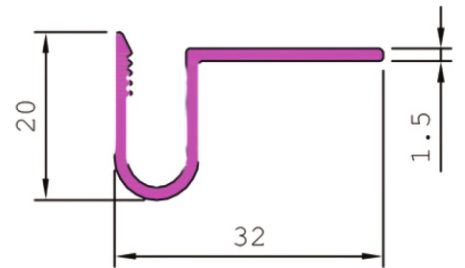
COVER HOOK

ANKIT POLYMERS -221012
1000-320-680



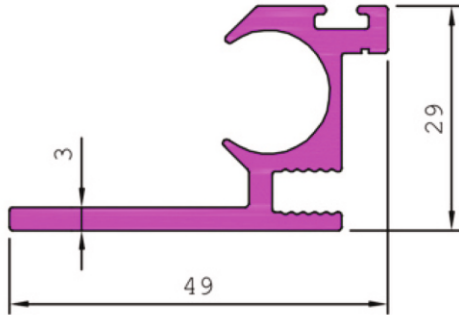
COVER HOOK

ANKIT POLYMERS -G-100178
1000-682-0318



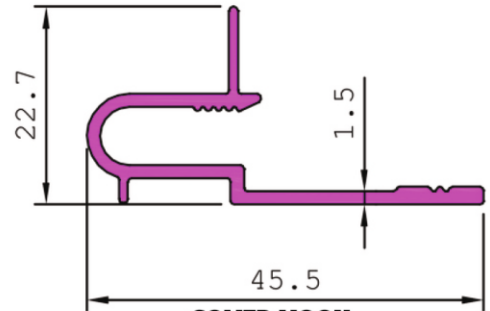
COVER HOOK

ANKIT POLYMERS -221103
1000-740-0260



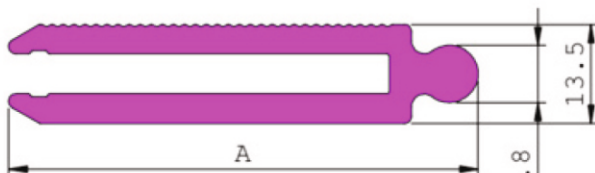
HOLDER

ANKIT POLYMERS -38801
1000-647-0753



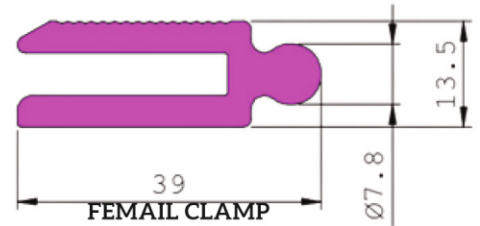
COVER HOOK

ANKIT POLYMERS -221104
1000-660-0340



FEMAIL CLAMP FEMAIL CLAMP FEMAIL CLAMP

ANKIT POLYMERS -29589 64MM 2000-666-1334
ANKIT POLYMERS -29624 96MM 3000-980-2020
ANKIT POLYMERS -29682 135MM 3000-161-2839



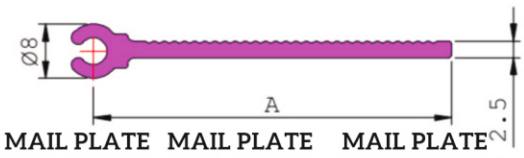
FEMAIL CLAMP

ANKIT POLYMERS -29590
1000-184-0816



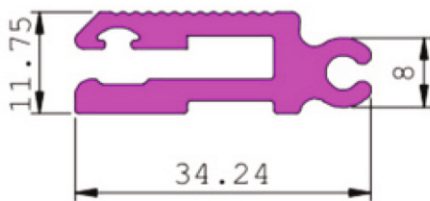
FEMAIL CLAMP

ANKIT POLYMERS -29599 64.24MM
2000-867-1133



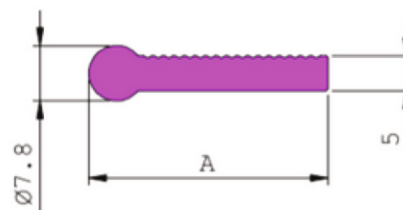
MAIL PLATE MAIL PLATE MAIL PLATE

ANKIT POLYMERS -29597 28MM 000-748-0252
ANKIT POLYMERS -29596 53MM 000-588-0412
ANKIT POLYMERS -29640 100.20MM 000-288-0712



FEMAIL CLAMP

ANKIT POLYMERS -29600 34.24MM
1000-416-584

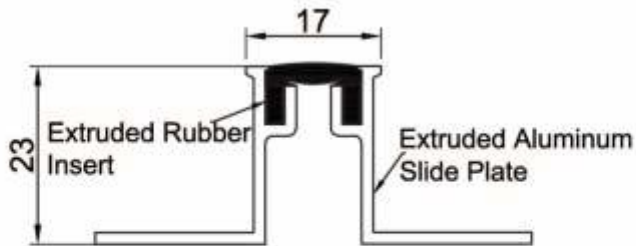


MAIL PLATE

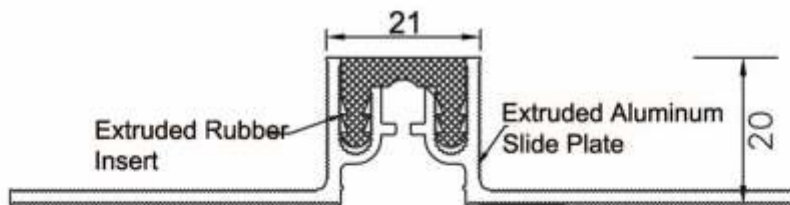
ANKIT POLYMERS -29591 34MM
1000-524-0476

MAIL PLATE

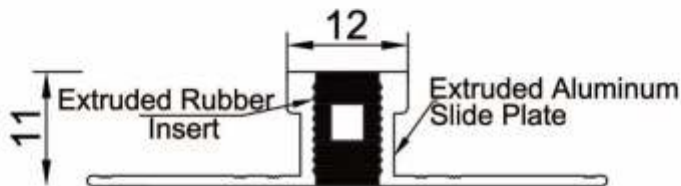
ANKIT POLYMERS -29642 2.80MM
2000-952-1248



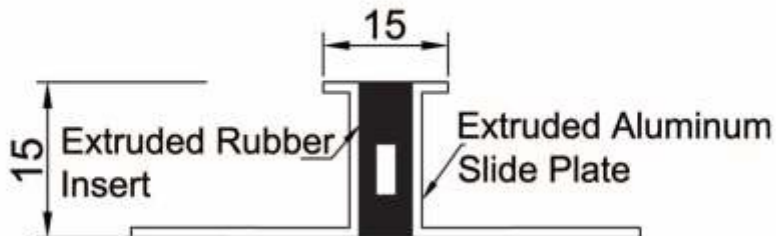
Code : MSMJA-917
Part No. :ANKITPOLYMERS -1700



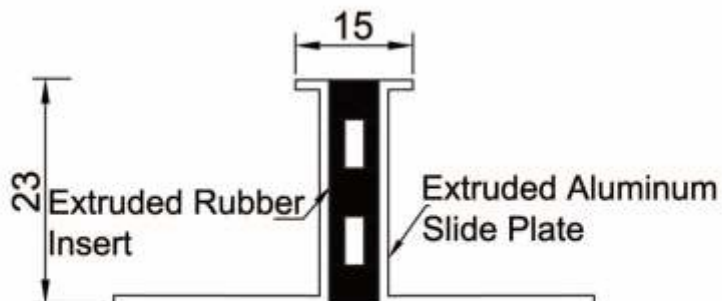
Code : MSMJA-P21
Part No. :ANKITPOLYMERS -2100



Code : MSMJA-L12/11
Part No. :ANKITPOLYMERS -1800



Code : MSMJA-L15/15
Part No. :ANKITPOLYMERS -1900



Code : MSMJA-L15/23
Part No. :ANKITPOLYMERS -2000

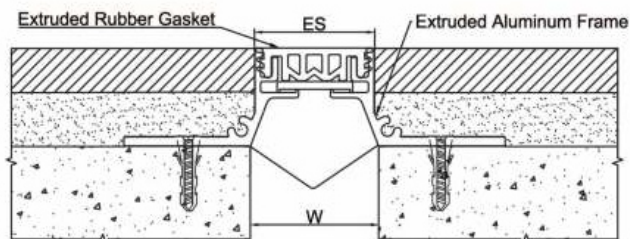


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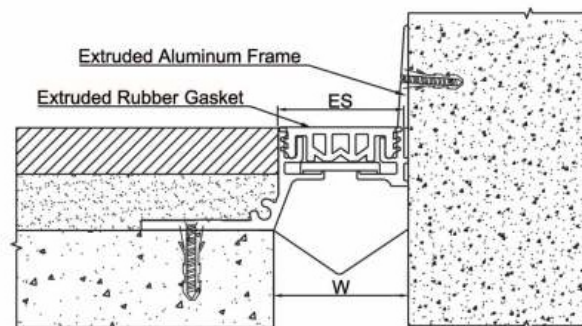
- Special designed for small joint width
- Floor to Floor Thermal Expansion Joint Cover
- Featuring a recessed design that minimizes sight lines
- The flexible seal provides a secure fit and yet retains flexibility
- The below-floor blackout design adapts easily to many different floor finishes
- An optional vapor barrier slides into the frame for easy installation



Code : MSDDJ
Part No. :DSEAL -GF50

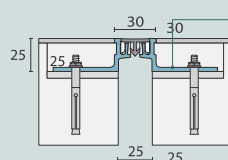
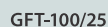


Code : MSD - QDJ
Part No. :DSEAL -GFW50

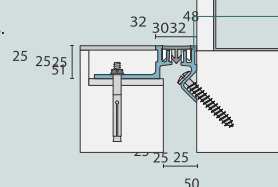
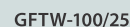


| MSDDJ | | |
|---------------------------|----|----|
| Joint Width (W) (mm) | 25 | 50 |
| Exposed surface (ES) (mm) | 31 | 47 |
| Movement Capacity (mm) | 12 | 25 |

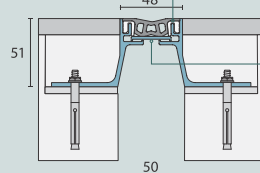
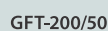
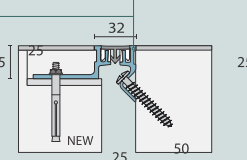
| MSD-QDJ | | |
|---------------------------|----|----|
| Joint Width (W) (mm) | 25 | 50 |
| Exposed surface (ES) (mm) | 29 | 48 |
| Movement Capacity (mm) | 12 | 25 |



Three standard frame depths are available, to suit most floor finishes.

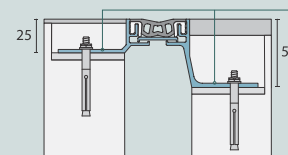


Hidden wall frame design suits floor-to-wall and new-to-existing situations.



Our TPR gaskets are smooth, strong and offer a hygienic seal.

Models for 50mm wide joints include a continuous aluminium support frame underneath the gasket for added durability.



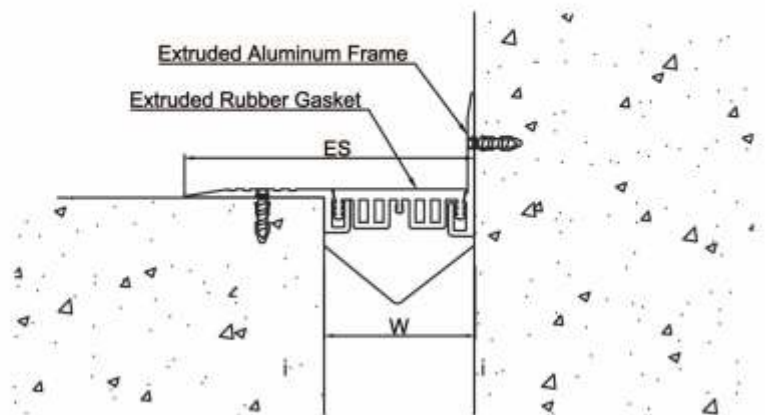
Mixed depth frames can be supplied to suit different thicknesses of finishes on either side of the joint.

Flush Thinline Floor Covers

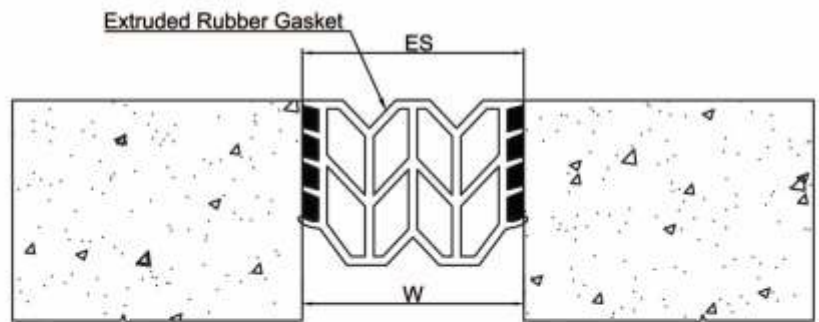
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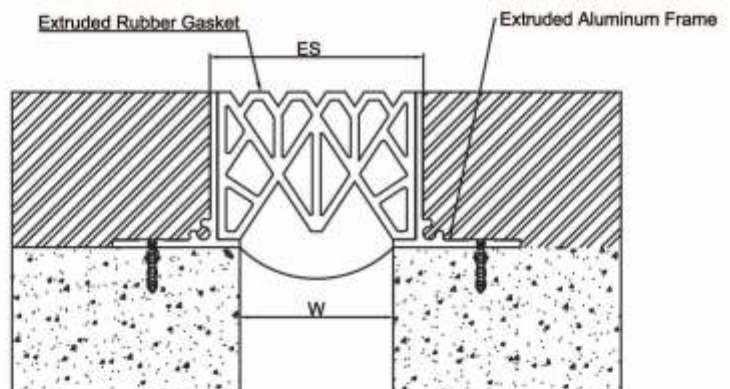
Code : **MSLTO-1**
Part No. : **DSEAL RSE-550**



Code : **MSLTO-1**
Part No. : **SFS**



Code : **MSLTO-2**
Part No. : **SFP 50**



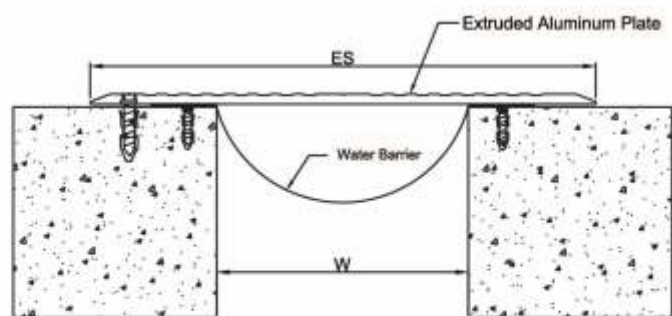
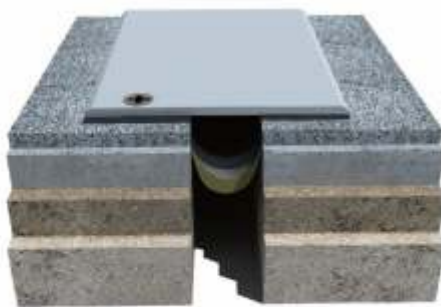
| | MSLTO-1 | | MSQTP-1 | | | | MSQTP-2 | | | |
|---------------------------|---------|----|---------|-------|---------|-------|---------|-------|-------|-------|
| Joint Width (W) (mm) | 25 | 50 | 25 | 50 | 75 | 100 | 25 | 50 | 75 | 100 |
| Exposed Surface (ES) (mm) | 70 | 95 | 25 | 50 | 75 | 100 | 48 | 73 | 98 | 123 |
| Movement Capacity (mm) | 12 | 25 | +/-12.5 | +/-25 | +/-37.5 | +/-50 | +/-12.5 | +/-25 | +/-30 | +/-40 |



Standard Metal Covers

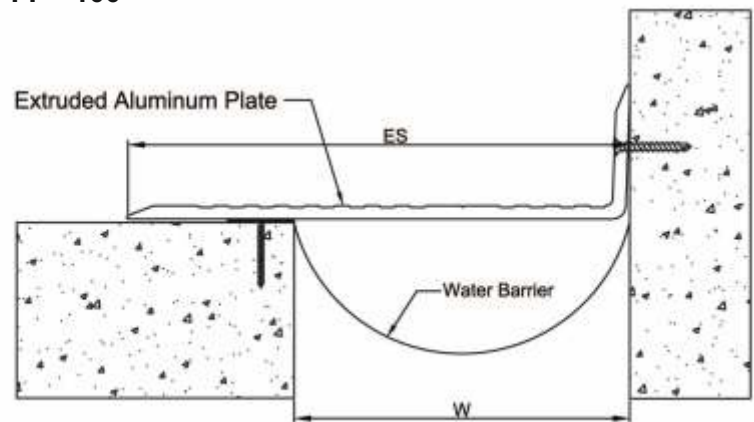
Features:

- Durable architectural aluminum covers
- Surface mounted type
- Easy installation on site



Code : MSDDG

Part No. : ANKITPOLYMERS - FP - 100



Code : MSD-QDG

Part No. : ANKITPOLYMERS - FPC - 100

| MSDDG | | | | | MSD-QDG | | | | |
|--------------------------|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 | Joint Width(W) (mm) | 50 | 100 | 150 | 200 |
| Exposed Surface(ES) (mm) | 150 | 200 | 250 | 300 | Exposed Surface(ES) (mm) | 100 | 150 | 200 | 250 |
| Movement Capacity(mm) | 100 | 150 | 200 | 250 | Movement Capacity(mm) | 100 | 150 | 200 | 250 |



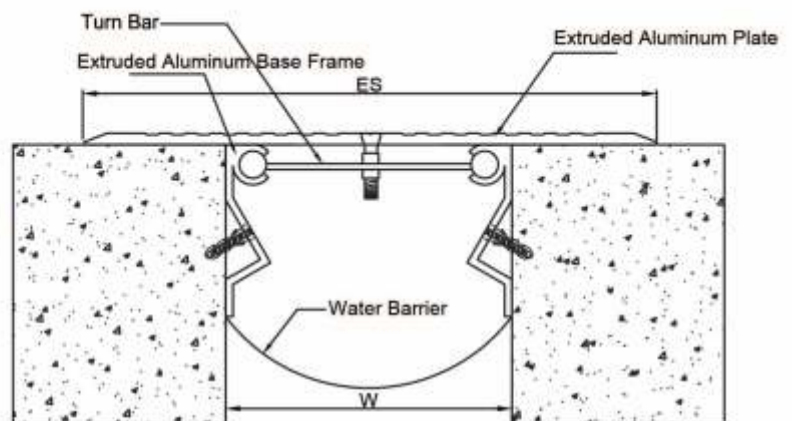
Standard Metal Covers

Features:

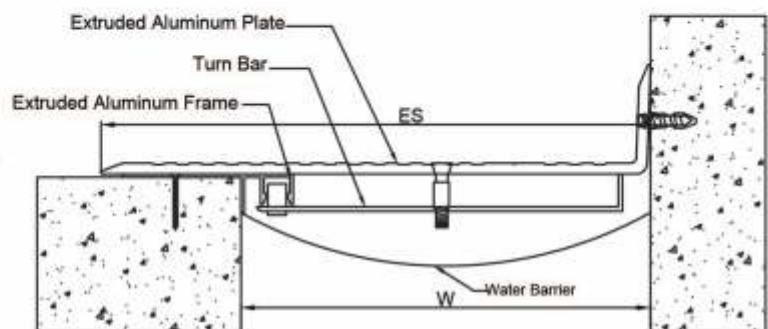
- Satisfy surface-mounted site
- Designed with beveled edges for pedestrian safety
- Durable architectural aluminum base frame and covers
- Easy to install
- Economical solution for retrofit and surface mount installations
- Anodised aluminum finish



Code : MSDGA
Part No. :ANKITPOLYMERS - PPV 100



Code : MSD-QGA
Part No. :ANKITPOLYMERS - PPC 100



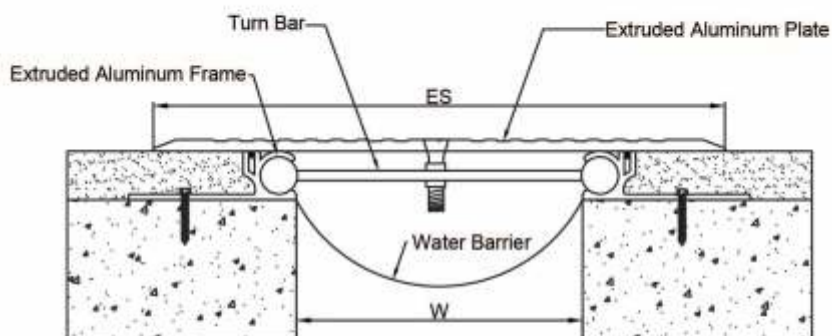
| MSDGA | | |
|--------------------------|-----|-----|
| Joint Width(W) (mm) | 150 | 200 |
| Exposed Surface(ES) (mm) | 250 | 300 |
| Movement Capacity(mm) | 190 | 240 |

| MSD-QGA | | | | |
|--------------------------|-----|-----|-----|-----|
| Joint Width(W) (mm) | 100 | 125 | 150 | 175 |
| Exposed Surface(ES) (mm) | 150 | 200 | 200 | 200 |
| Movement Capacity(mm) | 125 | 175 | 175 | 170 |

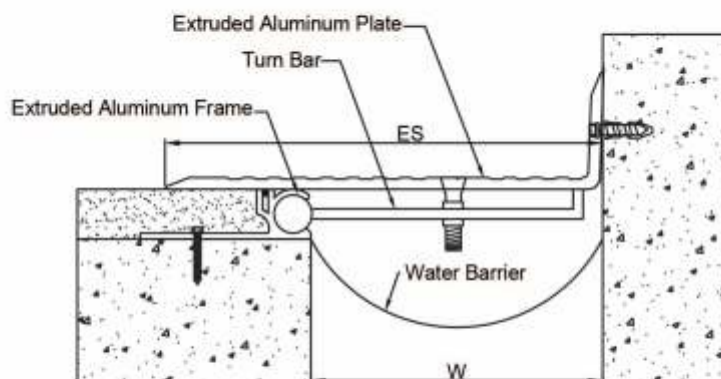
Standard Metal Covers



Code : MSDGJS
Part No. :ANKITPOLYMERS - PPFC 100



Code : MSD-QGJS
Part No. :ANKITPOLYMERS - PPCE 800



| MSDGJS | | | |
|--------------------------|-----|-----|-----|
| Joint Width(W) (mm) | 100 | 150 | 200 |
| Exposed Surface(ES) (mm) | 200 | 250 | 300 |
| Movement Capacity(mm) | 185 | 235 | 285 |

| MSD-QGJS | | | |
|--------------------------|-----|-----|-----|
| Joint Width(W) (mm) | 100 | 150 | 200 |
| Exposed Surface(ES) (mm) | 150 | 200 | 300 |
| Movement Capacity(mm) | 90 | 140 | 190 |

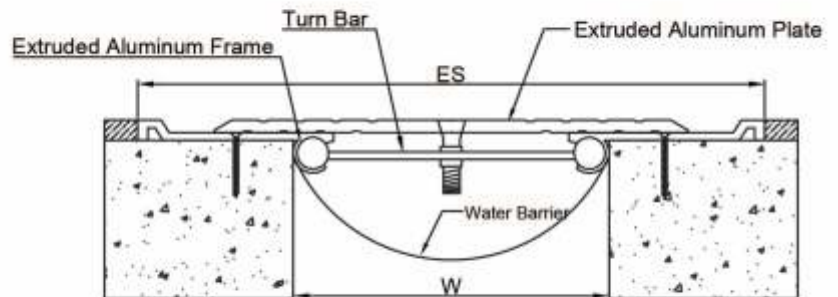




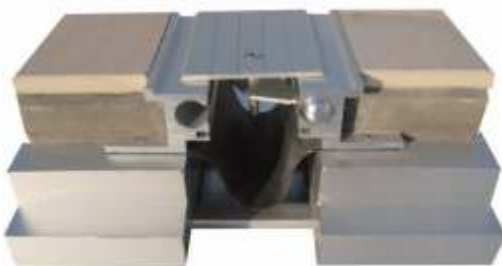
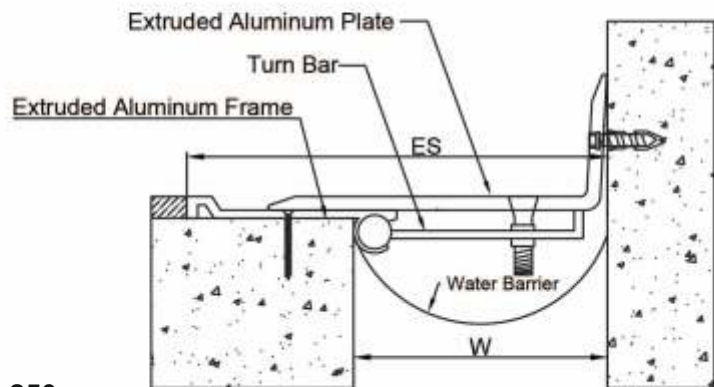
Standard Metal Covers



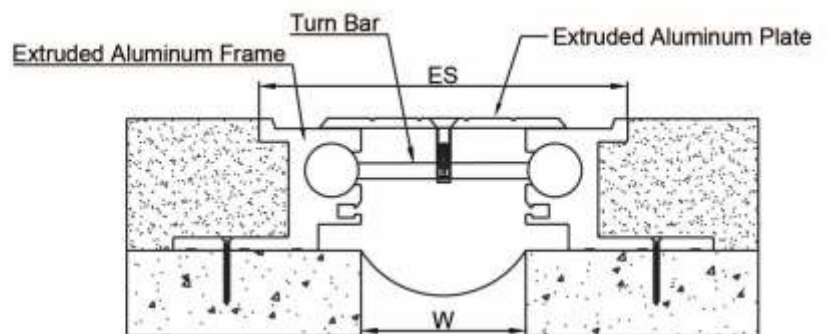
Code : MSDGP-1
Part No. :ANKITPOLYMERS - FFP 250



Code : QGP-1
Part No. :ANKITPOLYMERS - CPFP-250

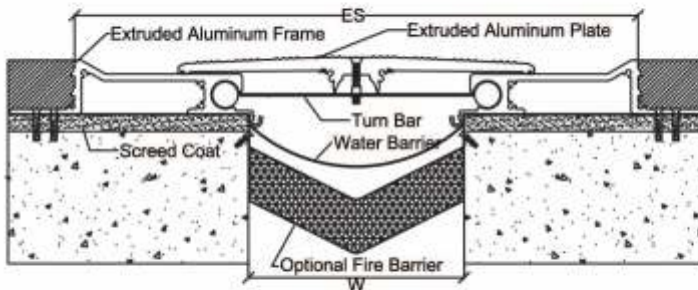


Code : MSDGP - 2
Part No. :ANKITPOLYMERS - PHP 50

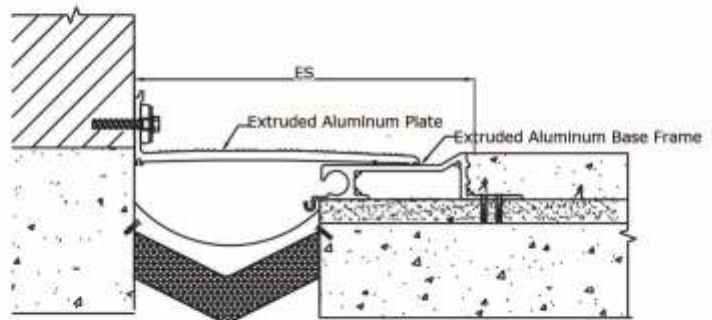


| | MSDGP-1 | | | | MSD-QGP-1 | | | | MSDGP-2 | |
|--------------------------|---------|-----|-----|-----|-----------|-----|-----|-----|--------------------------|-----|
| Joint Width(W) (mm) | 100 | 150 | 200 | 250 | 100 | 150 | 200 | 250 | Joint Width(W) (mm) | 50 |
| Exposed Surface(ES) (mm) | 200 | 250 | 300 | 400 | 150 | 200 | 250 | 300 | Exposed Surface(ES) (mm) | 112 |
| Movement Capacity(mm) | 100 | 100 | 100 | 100 | 50 | 50 | 50 | 50 | Movement Capacity(mm) | 50 |

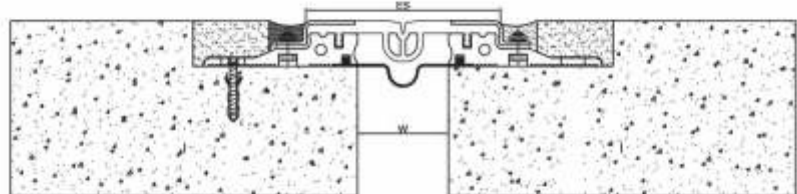
Heavy Duty Metal Covers



Code : MSDGCA
Part No. :ANKITPOLYMERS - HDFPP



Code : MSD-QGCA
Part No. :ANKITPOLYMERS - HOCPP



Code : MSDDJP
Part No. :ANKITPOLYMERS - FPWS 70

| MSDGCA | | |
|--------------------------|-----|-----|
| Joint Width(W) (mm) | 100 | 200 |
| Exposed Surface(ES) (mm) | 290 | 515 |
| Movement Capacity(mm) | 125 | 200 |

| MSD-QGCA | |
|--------------------------|-----|
| Joint Width(W) (mm) | 200 |
| Exposed Surface(ES) (mm) | 365 |
| Movement Capacity(mm) | 130 |

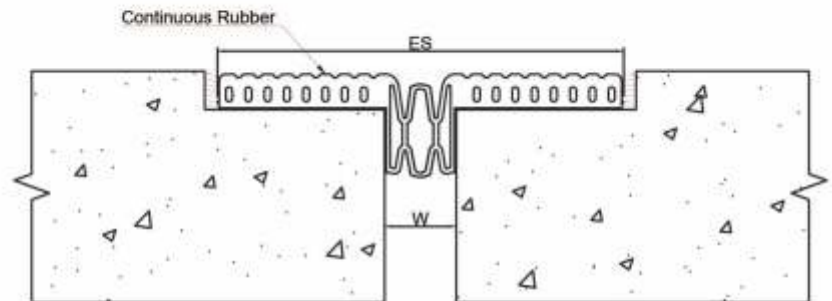
| MSDDJP | | | |
|-------------------------|-----|-----|-----|
| Joint Width (mm) | 70 | 70 | 70 |
| Height(mm) | 45 | 55 | 75 |
| Exposed Surface(mm) | 100 | 100 | 104 |
| Overall width(mm) | 250 | 250 | 250 |
| Horizontal Movement(mm) | 40 | 40 | 40 |
| Vertical Movement(mm) | 30 | 30 | 30 |



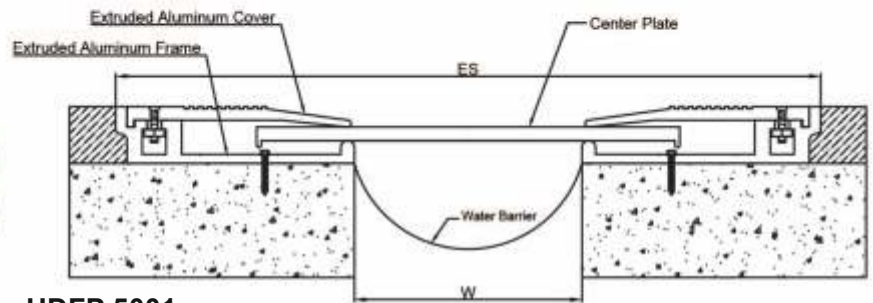
Heavy Duty Floor Covers



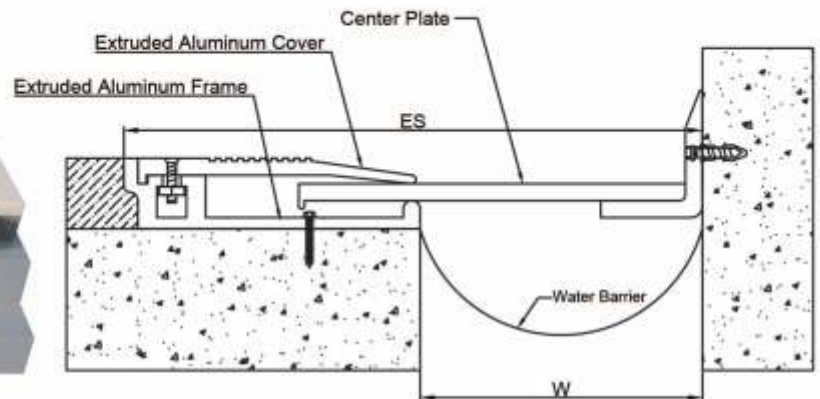
Code : MSDR
Part No. :ANKITPOLYMERS - R 50



Code : MSDKC
Part No. :ANKITPOLYMERS - HDPF 5001



Code : MSD-QK
Part No. :ANKITPOLYMERS - JOO2



| MSDR | |
|--------------------------|-----|
| Joint Width(W) (mm) | 50 |
| Exposed Surface(ES) (mm) | 216 |
| Movement Capacity(mm) | 50 |

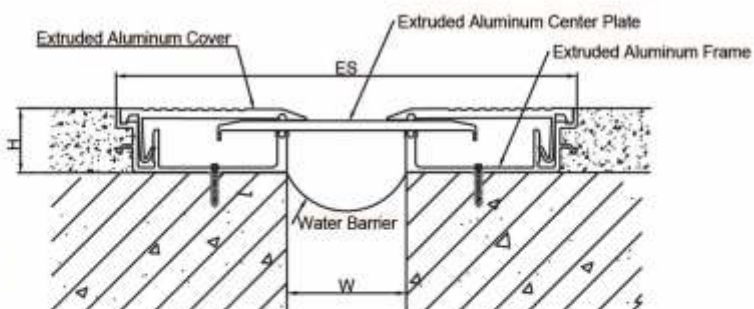
| MSDKC | |
|--------------------------|-----|
| Joint Width(W) (mm) | 100 |
| Exposed Surface(ES) (mm) | 310 |
| Movement Capacity(mm) | 140 |

| MSD-QKC | |
|--------------------------|-----|
| Joint Width(W) (mm) | 100 |
| Exposed Surface(ES) (mm) | 205 |
| Movement Capacity(mm) | 70 |

Lock Metal Floor Covers



- Featuring a glide plate system
- Simple installation progress
- 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



Code : MSDK

Part No. :ANKITPOLYMERS - 3001



Code : MSD-QSZJ

Part No. :ANKITPOLYMERS - 3002

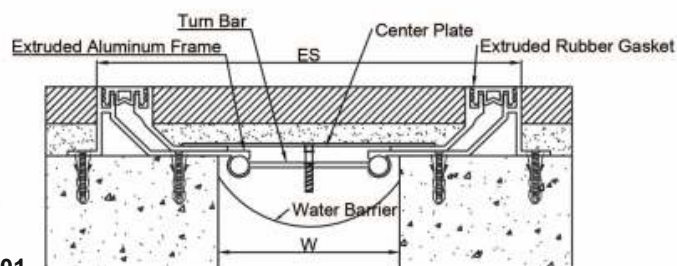
| | | MSDK | | | MSD-QK | | |
|--------------------------|-------|------|-----|-----|--------|-----|-----|
| Joint Width (W)(mm) | | 25 | 50 | 100 | 25 | 50 | 100 |
| Exposed surface(ES)(mm) | | 168 | 193 | 243 | 142 | 142 | 192 |
| Movement Capacity | Total | 79 | 108 | 108 | 52 | 54 | 54 |
| | + | 54 | 54 | 54 | 27 | 27 | 27 |
| | - | 25 | 54 | 54 | 25 | 27 | 27 |
| Plate Width (mm) | | 83 | 108 | 150 | 100 | 100 | 150 |
| Thickness of Plate (mm) | | 4 | 4 | 4 | 4 | 4 | 4 |

Flush Seismic Floor Covers

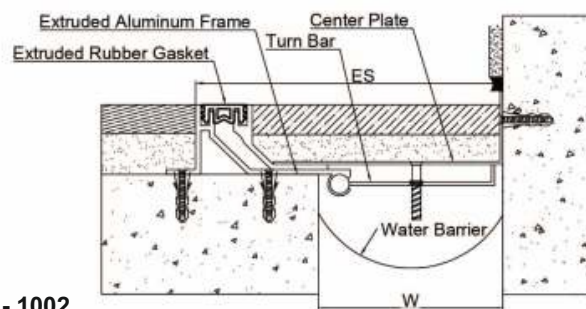
- Featuring a POP UP system
- Centering bar/compression spring repositions the pan after seismic movement
- Ideal for high grade marble, granite, limestone and paver floor finishes
- Dual seal design provides necessary movement ranges.
- Flush rubber gasket minimizes sightline
- Gaskets available in many coordinating designer colors.
- Snap-fit design for easy on-site assembly
- Flexible seals provide a secure fit and yet retain optimal flexibility



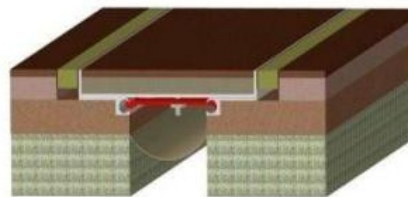
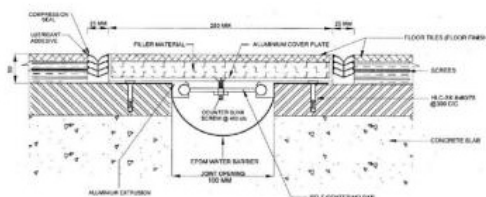
Code : MSDSZJ
Part No. :ANKITPOLYMERS - 1001



Code : MSD-QSZJ
Part No. :ANKITPOLYMERS - 1002



FLOOR TO FLOOR EXPANSION JOINT



SEPOP SERISE

FLOOR TO FLOOR EXPANSION JOINT

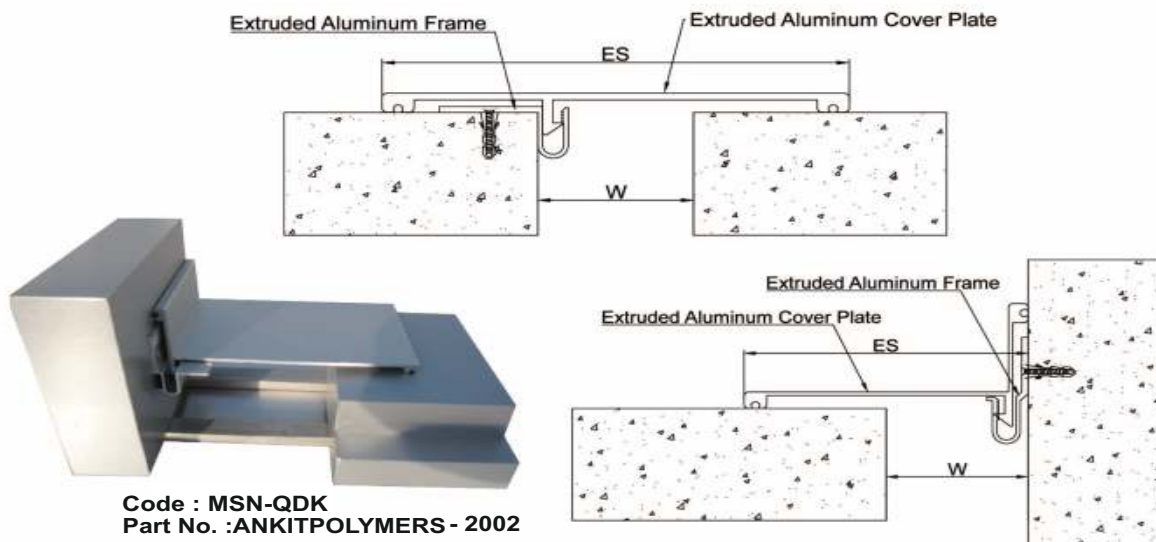
| | Flush Seismic Floor Covers MSDSZJ | | | | | | | | | | Flush Seismic Floor Covers MSD-QSZJ | | | | | | | | | |
|-------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | Suitable for Joint width: 75—500mm | | | | | | | | | | Suitable for Joint width: 75—500mm | | | | | | | | | |
| Joint Width(W)(mm) | 75 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 75 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Exposed surface(ES)(mm) | 215 | 240 | 290 | 340 | 390 | 440 | 490 | 540 | 590 | 640 | 145 | 170 | 220 | 270 | 320 | 370 | 420 | 470 | 520 | 570 |
| Movement Capacity(mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Width of Plate(mm) | 115 | 140 | 190 | 240 | 290 | 340 | 390 | 440 | 490 | 540 | 95 | 120 | 170 | 220 | 270 | 320 | 370 | 420 | 470 | 520 |
| Thickness of Plate(mm) | 1.5 | 1.5 | 2 | 2 | 3 | 3 | 3 | 5 | 5 | 5 | 1.5 | 1.5 | 2 | 2 | 3 | 3 | 3 | 5 | 5 | 5 |

Lock Metal Wall Covers

- Suitable for joint width 50—200mm
- Designed for interior wall and ceiling
- Featuring a glide plate system
- Snap-fit cover design makes for easy on-site assembly
- No exposed fasteners
- Beautiful surface



Code : MSNDK
Part No. :ANKITPOLYMERS - 2001

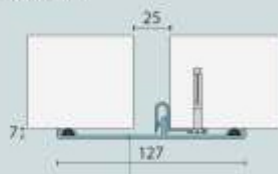


Code : MSN-QDK
Part No. :ANKITPOLYMERS - 2002

| MSNDK | | | | |
|--------------------------|-----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 |
| Exposed Surface(ES) (mm) | 150 | 200 | 250 | 300 |
| Movement Capacity(mm) | 130 | 180 | 230 | 280 |

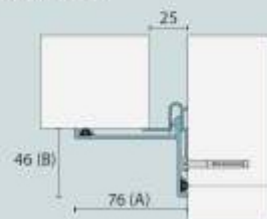
| MSN-QDK | | | |
|--------------------------|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 |
| Exposed Surface(ES) (mm) | 100 | 145 | 200 |
| Movement Capacity(mm) | 80 | 130 | 180 |

SMN-100



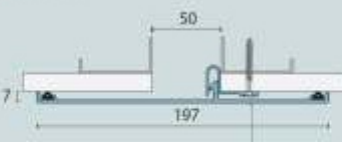
Cover plate snaps into a continuous anchor clip for simple installation.

SMNC-100



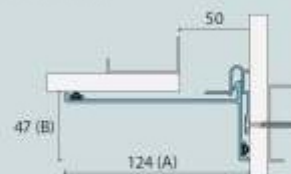
Gaskets on cover edges allow for optimal fit to the wall.

SMN-200



Cover plate is supplied in a natural anodised finish, or can be painted or supplied powder coated* to match the surrounding wall finish.

SMNC-200

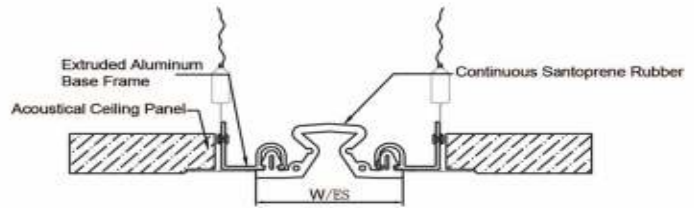


Except single lock model, every model can be used for interior wall, ceiling and exterior wall. The difference is that water barrier is allocated only for exterior wall. The models are available for interior wall and ceiling.

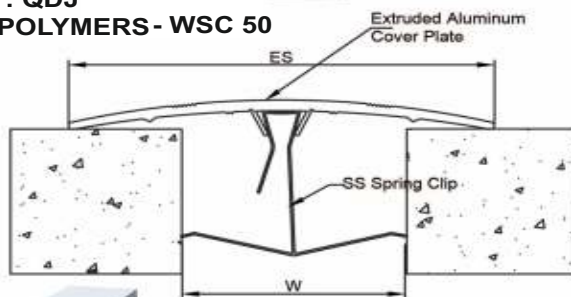
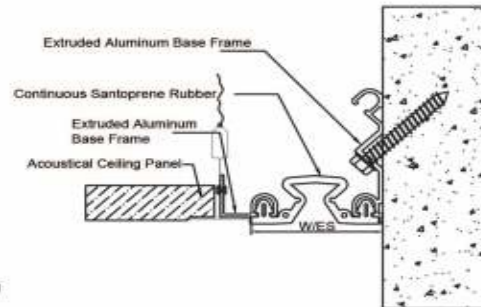
Ceiling & Interior Wall Covers



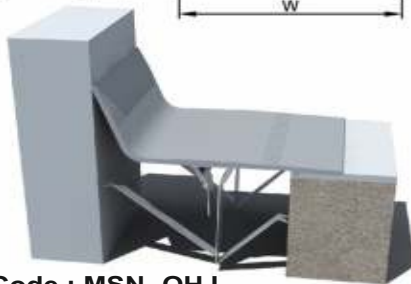
Code : MSNDJ
Part No. :ANKITPOLYMERS- Ws50



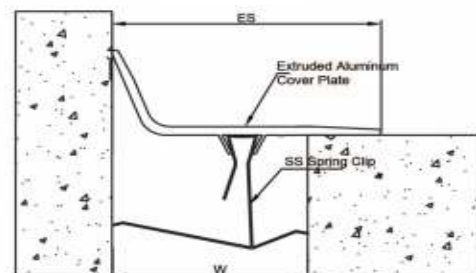
Code : QDJ
Part No. :ANKITPOLYMERS- WSC 50



Code : MSNHJ
Part No. :ANKITPOLYMERS- WC 700



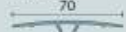
Code : MSN -QHJ
Part No. :ANKITPOLYMERS- Cc800



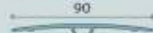
| | MSNDJ | | | | MSN-QDJ | | | | MSNHJ | | | MSN-QHJ | | |
|--------------------------|-------|-----|-----|-----|---------|-----|-----|-----|-------|----|-----|---------|----|----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 20 | 35 | 50 | 20 | 35 | 50 |
| Exposed Surface(ES) (mm) | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 70 | 100 | 51 | 70 | 81 |
| Movement Capacity(mm) | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 10 | 15 | 20 | 10 | 15 | 20 |

FLOOR TO FLOOR PLATES

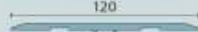
W-70



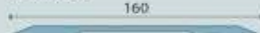
W-90



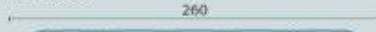
W-120



W-160HD



W-260HD

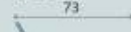


FLOOR TO WALL PLATES

W-70A



W-90A



INSTALLATION OPTIONS

Cover strips for small joints (25 or 50mm) are installed using stainless steel clips supplied with the products. Please note the minimum joint depth requirements in the table above.



W-90 installed over 25mm joint width using small clip option.



W-90 installed over 50mm joint width using large clip option.

Heavy duty plates (W-HD) are installed using screw fixings (by others, to suit substrate) on one side of the joint opening.



W-160HD

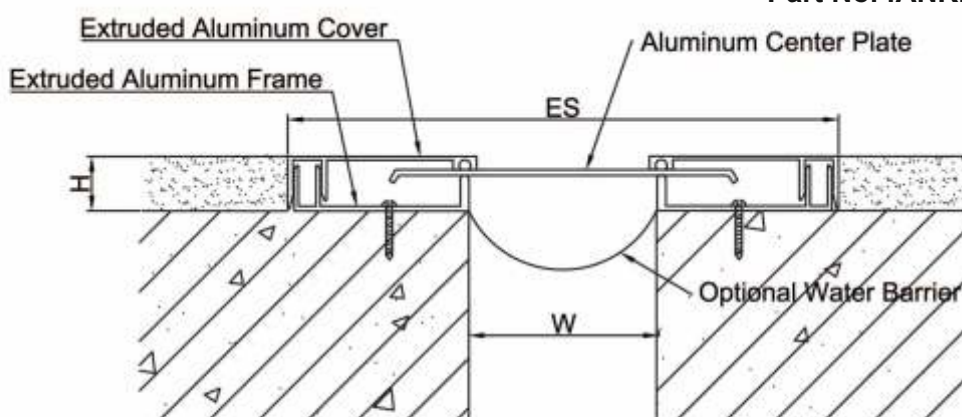


Lock Metal Wall Covers

- Suitable for joint width 25—500mm
- Featuring a glide plate system
- Designed for interior wall, ceiling and exterior wall
- Recessed frame is designed for drywall installations or can be surface mounted
- Snap-fit cover design makes for easy on-site assembly
- Better durability
- No exposed fasteners
- Beautiful surface
- Ideal for different wall finishes



Code : HDWE
Part No. : ANKITPOLYMERS - 4001

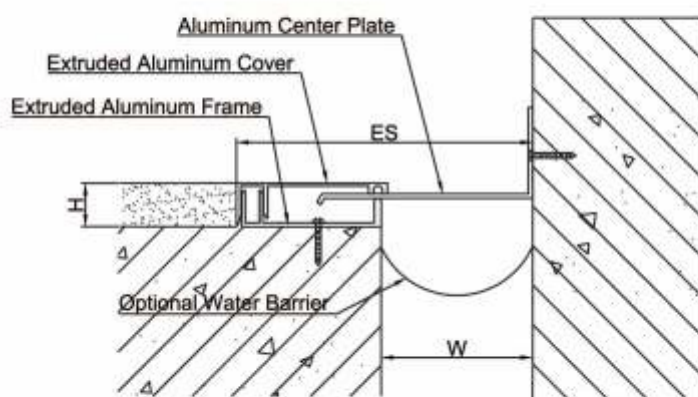


| MSNSK | | | | | | | | | | | | | | |
|------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Suitable for Joint width: 25—500mm | | | | | | | | | | | | | | |
| Joint Width(W) | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Exposed surface(ES) | 120 | 145 | 170 | 195 | 220 | 245 | 270 | 295 | 345 | 395 | 445 | 495 | 545 | 595 |
| Movement Capacity | Total | 65 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| | + | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| | - | 25 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Width of Plate (mm) | | 65 | 90 | 115 | 140 | 165 | 190 | 215 | 240 | 290 | 340 | 390 | 440 | 540 |
| Thickness of Plate(mm) | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2 | 2 | 2 |

Lock Metal Wall Covers



Code : HDWC
Part No. :ANKITPOLYMERS - C4007



| MSN-QSK | | | | | | | | | | | | | | |
|------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Suitable for Joint width: 25—500mm | | | | | | | | | | | | | | |
| Joint Width(W) | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Exposed surface(ES) | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
| Movement Capacity | Total | 70 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| | + | 50 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | - | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Width of Plate (mm) | 45 | 70 | 95 | 120 | 145 | 170 | 195 | 220 | 270 | 320 | 370 | 420 | 470 | 520 |
| Thickness of Plate(mm) | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2 | 2 | 2 | 2 |

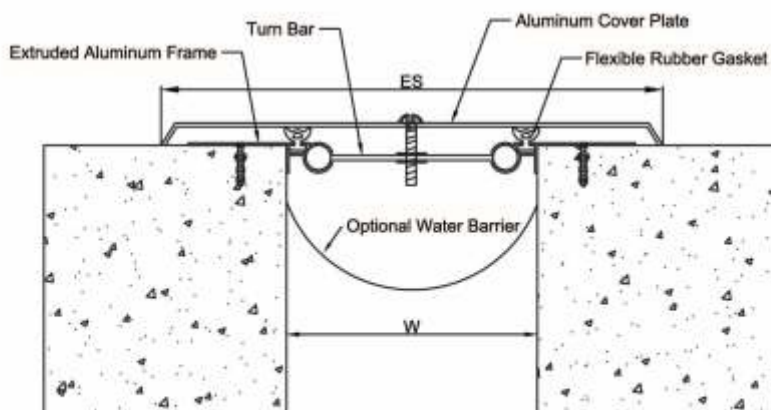
Standard Metal Wall Covers

- Suitable for joint width 75—500mm
- Featuring a glide plate and centering bar system
- Designed for interior wall, ceiling and exterior wall
- Recessed frame is designed for drywall installations or can be surface mounted
- Anodised Aluminum, sprayed Aluminum, stainless steel plate and brass plate can be chosen
- More stronger
- Better durability
- Beautiful surface
- Ideal for different wall finishes



Code : MSQC

Part No. :ANKITPOLYMERS - WCW P500



Code : MSQG

Part No. :ANKITPOLYMERS - WCNP P-500

| MSQG | | | | | | | | | | | | |
|------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Suitable for Joint width: 75—500mm | | | | | | | | | | | | |
| Joint Width (W) (mm) | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Exposed surface (ES) (mm) | 175 | 200 | 225 | 250 | 275 | 300 | 350 | 400 | 450 | 500 | 650 | 600 |
| Movement Capacity (mm) | Total | 130 | 155 | 180 | 205 | 230 | 255 | 305 | 355 | 405 | 455 | 555 |
| | + | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | - | 30 | 55 | 80 | 105 | 130 | 155 | 205 | 255 | 305 | 355 | 455 |
| Width of Plate (mm) | 175 | 200 | 225 | 250 | 275 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
| Thickness of Plate (mm) | 1.5 | 1.5 | 1.5 | 1.5 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |

Standard Metal Wall Covers

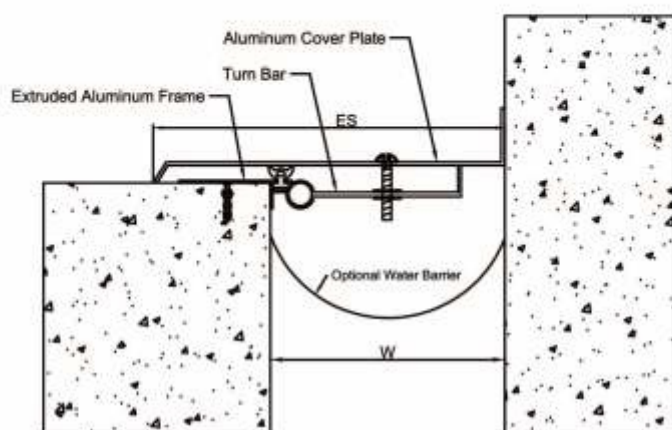
/////



Code : MSQ-QG (Brass plate)
Part No. :ANKITPOLYMERS- WECCPS - 500



Code : MSQ-QG
Part No. :ANKITPOLYMERS - WECPN 500



Code : MSQ-QG
Part No. :ANKITPOLYMERS - WCCPP-500

| MSQ-QG | | | | | | | | | | | | |
|------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Suitable for Joint width: 75—500mm | | | | | | | | | | | | |
| Joint Width (W) (mm) | | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 500 |
| Exposed surface (ES) (mm) | | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 | 450 | 550 |
| Movement Capacity (mm) | Total | 90 | 115 | 140 | 165 | 190 | 215 | 265 | 315 | 365 | 415 | 515 |
| | + | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| | - | 35 | 60 | 85 | 110 | 135 | 160 | 210 | 260 | 310 | 360 | 460 |
| Width of Plate (mm) | | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 | 450 | 550 |
| Thickness of Plate (mm) | | 1.5 | 1.5 | 1.5 | 1.5 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |

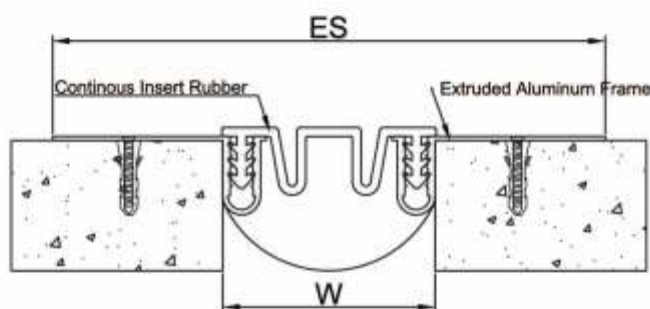


Flush Rubber Wall Covers

- Suitable for Joint width 50—250mm
- Different designs for coating and tile decorative level
- Unique seal barbs provide for secure engagement in the frame
- Engineered for multi-directional seismic movement
- Frame allows for finishing with joint compound or wall covering
- Easier installation
- Resistant to UV, ozone, acid rain, most chemicals and extreme temperatures
- Splices can be heat welded or bonded with specialty adhesive
- The face of the seal resists sagging and remains flat
- Visual seals are available in standard and custom colors
- Continuous lengths in most applications



Code : MSQDJJ
Part No. :ANKITPOLYMERS - RSV-250

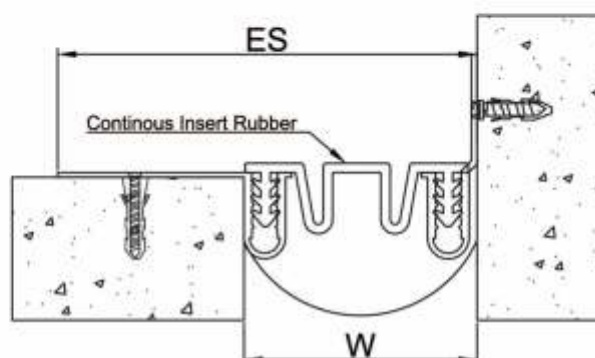


| MSQDJJ | | | | | |
|--------------------------|-----|-----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 | 250 |
| Exposed Surface(ES) (mm) | 130 | 180 | 230 | 280 | 330 |
| Movement Capacity(mm) | 50 | 100 | 150 | 200 | 250 |

| MSQ-QDJJ | | | | | |
|--------------------------|----|-----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 | 250 |
| Exposed Surface(ES) (mm) | 90 | 140 | 190 | 240 | 290 |
| Movement Capacity(mm) | 50 | 100 | 150 | 200 | 250 |



Code : MSQ-QDJJ
Part No. :ANKITPOLYMERS - RSC-250



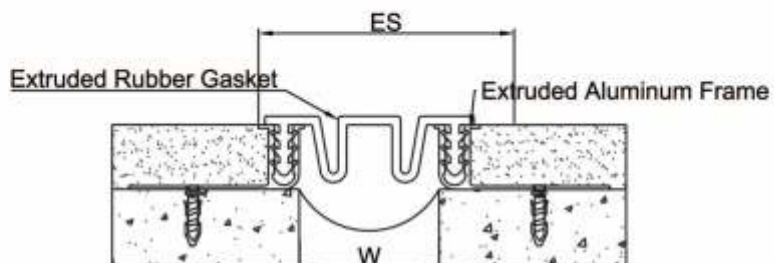
Flush Rubber Wall Covers

/////



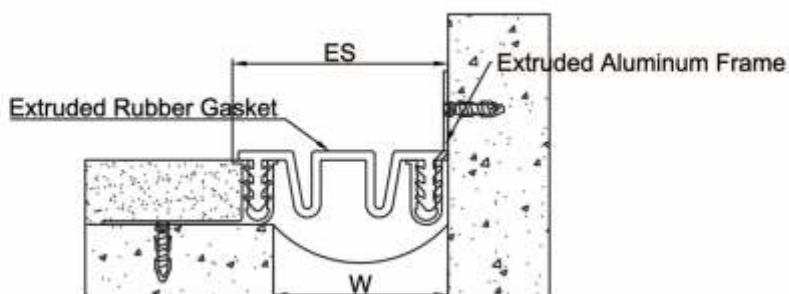
Code : MSQQDJZ

Part No. :ANKITPOLYMERS - RSVU-250



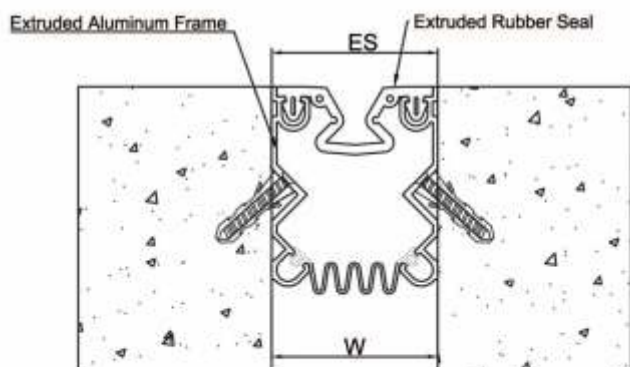
Code : MSQ-QDJZ

Part No. :ANKITPOLYMERS - RSVU-250



| MSQDJZ | | | | | |
|--------------------------|----|-----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 | 250 |
| Exposed Surface(ES) (mm) | 50 | 100 | 150 | 200 | 250 |
| Movement Capacity(mm) | 50 | 100 | 150 | 200 | 250 |

| MSQ-QDJZ | | | | | |
|--------------------------|----|-----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 | 250 |
| Exposed Surface(ES) (mm) | 50 | 100 | 150 | 200 | 250 |
| Movement Capacity(mm) | 50 | 100 | 150 | 200 | 250 |



Code : MSQDJS

Part No. :ANKITPOLYMERS - RSVIP200



MSQDJS

| MSQDJS | | | | |
|--------------------------|----|-----|-----|-----|
| Joint Width(W) (mm) | 50 | 100 | 150 | 200 |
| Exposed Surface(ES) (mm) | 50 | 100 | 150 | 200 |
| Movement Capacity(mm) | 50 | 50 | 50 | 50 |

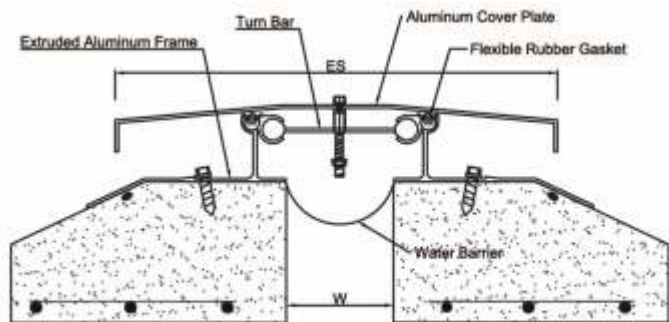
Roof Expansion Joint Covers



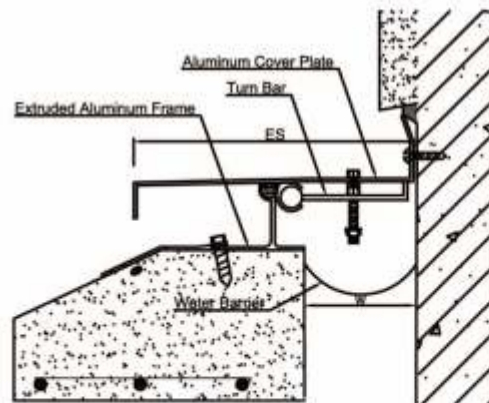
- Ideal for roof to roof applications
- Suitable for Joint width 50—500mm
- Featuring Neoprene weather washers that prevent leaking where fasteners penetrate frames/covers
- Gasketed fasteners resist water and air passage
- Surface mount system accommodates uneven expansion joint widths
- Anodised Aluminum, sprayed Aluminum, Stainless steel plate and Brass plate can be chosen
- Aluminum covers may be engineered to resist snow and wind loads



Code : MSQGZ
Part No. :ANKITPOLYMERS - RCWS P500



Code : MSQ-QGZ
Part No. :ANKITPOLYMERS - RCCWP-500



| MSWGZ | | | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Joint Width(W) | 50 | 75 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Exposed surface(ES) | 230 | 255 | 280 | 305 | 330 | 380 | 430 | 480 | 530 | 580 | 630 | 680 |
| Movement Capacity | 140 | 165 | 190 | 215 | 240 | 290 | 340 | 390 | 440 | 490 | 540 | 590 |

| MSW-QGZ | | | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Joint Width(W) | 50 | 75 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Exposed surface(ES) | 140 | 165 | 190 | 215 | 240 | 290 | 340 | 390 | 440 | 500 | 562 | 625 |
| Movement Capacity | 70 | 95 | 120 | 145 | 170 | 220 | 270 | 320 | 370 | 430 | 492 | 555 |

Joint Accessories

Fire Barrier

ANKITPOLYMERS Fire barrier certified with **ASTM E119 FIRE RESISTANT 2 HOURS** is engineered as high performance fire resistive systems for sealing expansion joint openings. The systems are comprised of a flexible, high purity ceramic fiber blanket and stainless steel foil as required to achieve a specified protection and endurance rating. Systems are secured directly to the structural concrete expansion joint opening. The fire resistant rating can reach zhows. Different levels of fire barrier can be chosen for different building designs.



Water Barrier And Rubber

Water barrier is made of EPDM with high quality.

Rubber: Elastic gasket is used by Santoprene from America. It is qualified under **ASTM D3652/D3652M-01(2012), ASTM D41, 2-2006a(2013), ASTM D1415-06(2012), ASTM D2137 type A, ASTM D573-2004(2010), GB/T 7762, ASTM D395-14, ASTM D624-00(2012)**



Stainless Steel Rhone

Stainless steel Rhone is designed by ANKITPOLYMERS in the condition that it's inconvenient to waterproof on the front. Add a strip of stainless steel rhone for waterproofing at the back surface. It's new that a strip of guiding water line prevents the water flowing along the boom and guides the water flow into the rhone. Also a water barrier is added In the stainless steel rhone. So there are 3 levels of water barrier to realize a best waterproofing.



GFT SERIES

JOINT WIDTH UP TO 50MM | MOVEMENT UP TO ± 10 MM







Recess mounted floor joint covers with minimal visual impact, offered in a range of frame depths to suit floor finish.

- Floor joint covers comprising extruded aluminum side frames and a single TPR gasket
- Suitable for most floor finishes. Mixed frame depths can be supplied
- Fitted flush to the floor screed or left proud to butt up to the floor finish
- GFTW versions suit floor-to-wall or new-to-existing conditions
- Easy to clean covers for interior areas where hygiene is important
- Gaskets are replaceable on-site
- Load capability: 250kg point load






FLOOR FINISH | Carpet | Vinyl | Wood | Tile | Terrazzo | Stone

FLOOR TO FLOOR COVERS

| Model | Joint width (mm) | Frame depth (mm) | Exposed surface (mm) | Min. recess required (mm) | | Movement (mm) | | |
|--|------------------|------------------|----------------------|---------------------------|-------|---|---|---|
| | | | | Depth ² | Width |  |  |  |
| GFT-100/25 | 25 | 25 | 30 | 30 | 135 | ± 5 | ± 3 | ± 2 |
| GFT-100/50 | 25 | 51 | 32 | 56 | 137 | ± 5 | ± 3 | ± 2 |
| GFT-100/75 | 25 | 75 | 32 | 80 | 137 | ± 5 | ± 3 | ± 2 |
| GFT-200/25 | 50 | 25 | 47 | 30 | 158 | ± 10 | ± 3 | ± 3 |
| GFT-200/50  | 50 | 51 | 48 | 56 | 158 | ± 10 | ± 3 | ± 3 |
| GFT-200/75 | 50 | 75 | 48 | 80 | 158 | ± 10 | ± 3 | ± 3 |

FLOOR TO WALL COVERS

| Model | Joint width (mm) | Frame depth (mm) | Exposed surface (mm) | Min. recess required (mm) | | Movement (mm) | | |
|-------------|------------------|------------------|----------------------|---------------------------|-------|---|---|---|
| | | | | Depth ² | Width |  |  |  |
| GFTW-100/25 | 25 | 25 | 32 | 30 | 80 | ± 5 | ± 3 | ± 2 |
| GFTW-100/50 | 25 | 51 | 32 | 56 | 82 | ± 5 | ± 3 | ± 2 |
| GFTW-100/75 | 25 | 75 | 32 | 80 | 82 | ± 5 | ± 3 | ± 2 |
| GFTW-200/25 | 50 | 25 | 50 | 30 | 103 | ± 10 | ± 3 | ± 3 |
| GFTW-200/50 | 50 | 51 | 50 | 56 | 104 | ± 10 | ± 3 | ± 3 |
| GFTW-200/75 | 50 | 75 | 50 | 80 | 104 | ± 10 | ± 3 | ± 3 |

MATERIALS, COLOURS AND FINISHES

- Aluminium sections: mill finished as standard.
- Gaskets: co-extruded Thermoplastic Rubber (TPR) gaskets are available in four standard colours. Other colours can be supplied subject to minimum quantity.

BLACK

WHITE

GREY

GREIGE

COMPLEMENTARY WALL/CEILING COVERS

- FWF Series 50
- FWFP Series 51

ACCESSORIES

- Fire Barriers 90-91
- Moisture Barriers 92
- Acoustic Barriers 93

STOCK LENGTHS

- Aluminium sections: 3m
- Gaskets: supplied cut to suit from [max] 32m rolls

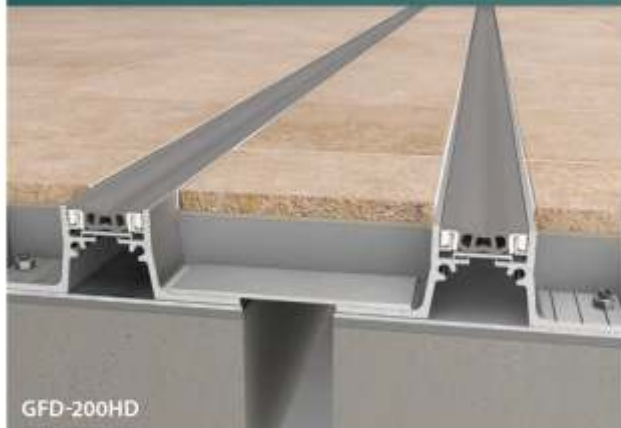
FIXINGS

- Floor: fixings (by others) to suit substrate at 450mm centres and to achieve minimum 40mm embedment
- Wall: fixings (by others) to suit substrate at 450mm centres

NB: Frames are supplied undrilled.

ANKITPOLYMERS - GFD-HD200

JOINT WIDTH UP TO 50MM | MOVEMENT UP TO ± 20 MM



Recess mounted flush floor covers with an extra deep recess to accommodate thick floor tiles, terrazzo or other finishes.

- Floor joint covers with two heavy duty TPR gaskets to accommodate larger movement
- Centre section is recessed to accept floor finishes up to 35mm thick
- Easy to clean; ideal for interiors where hygiene is important
- Suitable for areas where heavy rolling loads occur
- GFD-HDS model features stainless steel capping to aluminium frames
- Gaskets are replaceable on-site
- Load capability: 1000kg point load

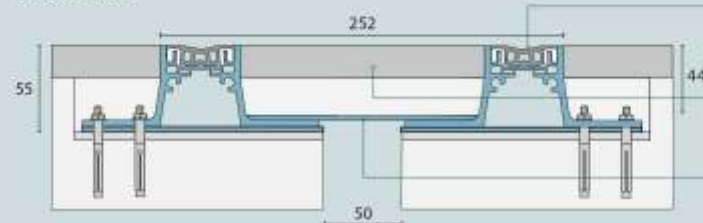
1000

FLOOR FINISH | Up to 35mm thick | Tile | Wood | Terrazzo | Stone

FLOOR TO FLOOR COVERS

| Model | Joint width range (mm) | Frame depth (mm) | Exposed surface (mm) | Min. recess required (mm) | | Movement (mm) | | |
|------------|------------------------|------------------|----------------------|---------------------------|-------|---|---|---|
| | | | | Depth | Width |  |  |  |
| GFD-200HD | 50 | 55 | 252 | 60 | 360 | ± 20 | ± 3 | ± 6 |
| GFD-200HDS | 50 | 56 | 256 | 61 | 360 | ± 20 | ± 3 | ± 6 |

GFD-200HD

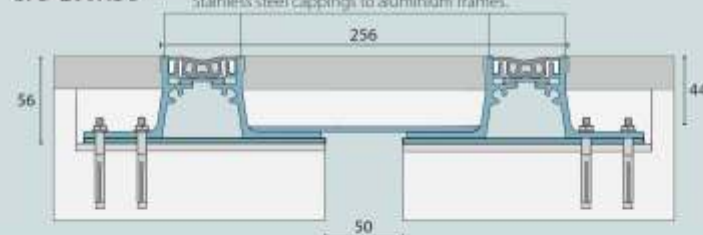


Smooth TPR gaskets are suitable for areas where hygienic finish is required. They are installed with a continuous aluminium support plate underneath for added durability.

Recessed centre section will accept up to 35mm thick floor finish.

Standard model features a 150mm wide centre plate welded to side frames. Alternative widths can be supplied to suit site requirements.

GFD-200HDS



MATERIALS, COLOURS AND FINISHES

- **Metal sections:** aluminium components are mill finished as standard; GFD-HDS is supplied with polished stainless steel frame cappings.
- **Gaskets:** co-extruded Thermoplastic Rubber (TPR) gaskets are available in four standard colours. Other colours can be supplied subject to minimum quantity.

BLACK

WHITE

GREY

GREIGE

ACCESSORIES

- Fire Barriers ▶ 90-91
- Moisture Barriers ▶ 92
- Acoustic Barriers ▶ 93

STOCK LENGTHS

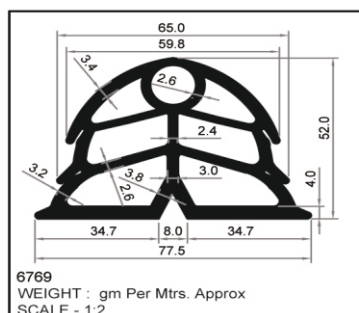
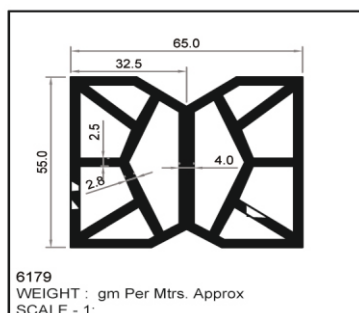
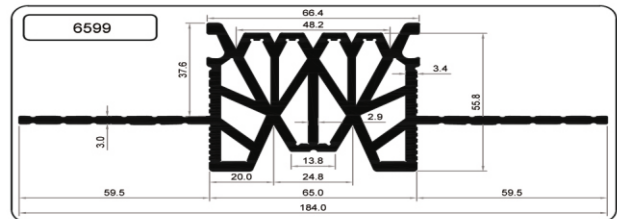
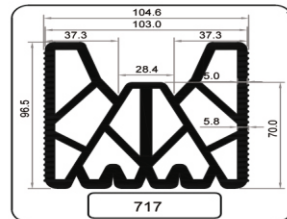
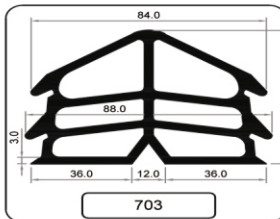
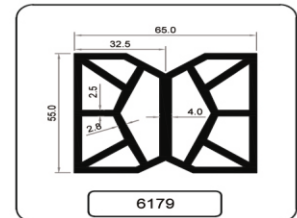
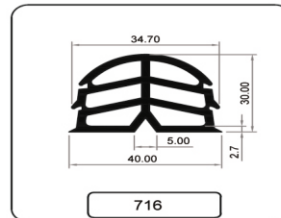
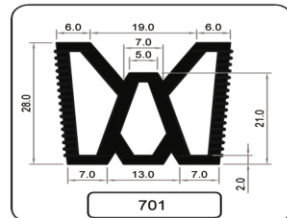
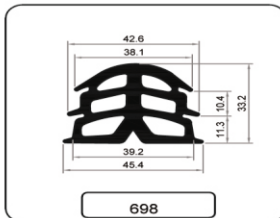
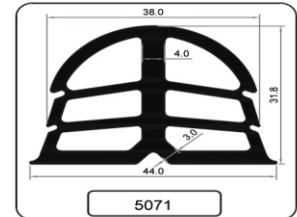
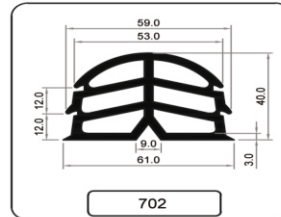
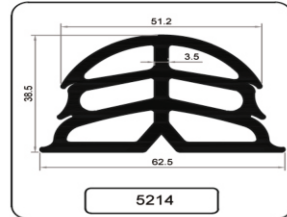
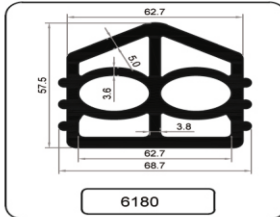
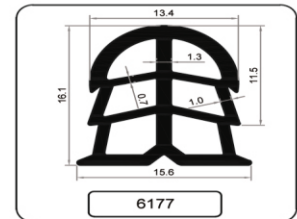
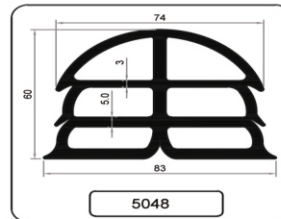
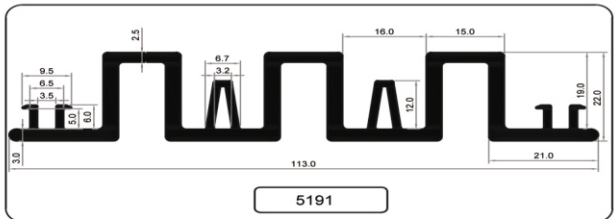
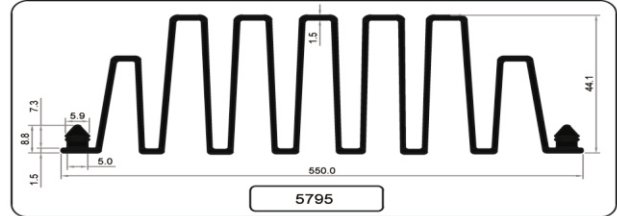
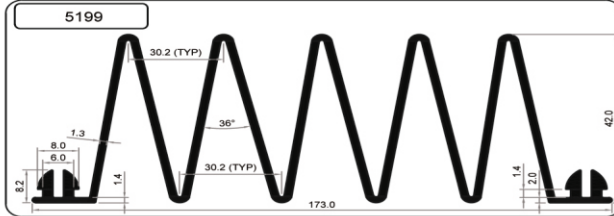
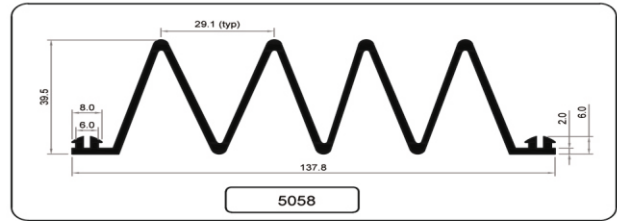
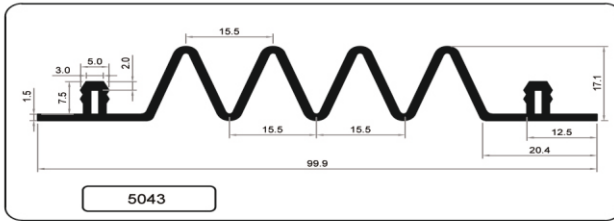
- Aluminium sections: 3m
- Gaskets: supplied cut to suit from [max] 32m rolls
- Stainless steel capping: 3m

FIXINGS

Floor: fixings (by others) to suit substrate at 450mm centres and to achieve minimum 40mm embedment

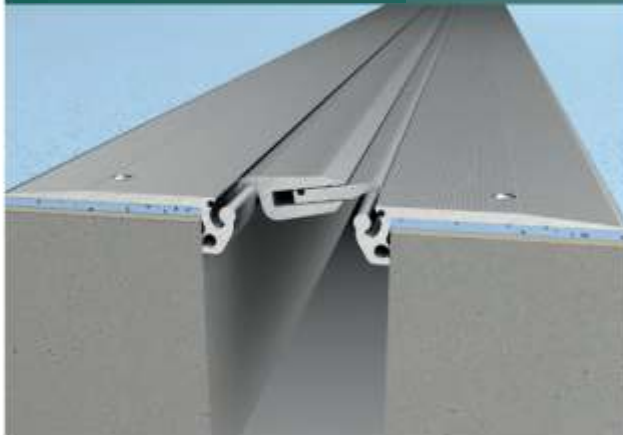
NB: Frames are supplied undrilled.

× EXPANSION JOINT GASKET ×



ANKITPOLYMERS - APF100

JOINT WIDTH UP TO 133MM | MOVEMENT UP TO +40/-20MM






Surface mounted robust joint covers, highly resistant to rolling loads, distortion and wear.

- Surface mounted floor joint covers, well suited to retrofit applications
- Easy to install, no blockout required
- Interlocking cover design allows for multi-directional movement
- Ideal for situations with large vertical movement requirements
- Cover plates and frames are serrated to offer a slip resistant finish
- Suitable for interior or exterior applications and most floor finishes
- Durable and low maintenance
- Load capability: 1000kg point load






FLOOR FINISH | Concrete | Tile | Carpet | Vinyl | Stone | Terrazzo

FLOOR TO FLOOR COVERS

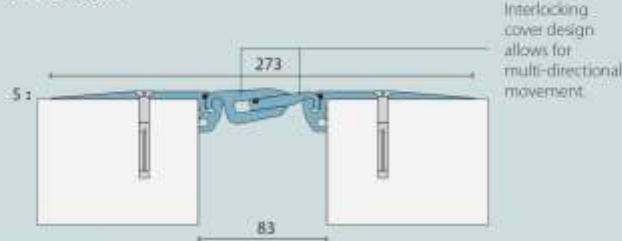
| Model | Joint width (mm) | Exposed surface (mm) | Side frame thickness (mm) | Movement (mm) | | |
|-----------|------------------|----------------------|---------------------------|---|---|---|
| | | | |  |  |  |
| APF-200SM | 83 | 273 | 5 | +20/-10 | ±25 | ∞* |
| APF-300SM | 108 | 298 | 5 | +30/-10 | ±35 | ∞* |
| APF-400SM | 133 | 323 | 5 | +40/-20 | ±40 | ∞* |

* Restricted by site conditions

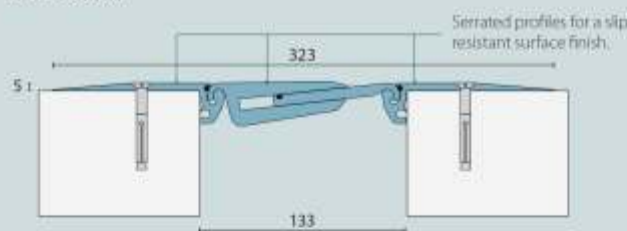
FLOOR TO WALL COVERS

| Model | Joint width (mm) | Exposed surface (mm) | Side frame thickness (mm) | Movement (mm) | | |
|------------|------------------|----------------------|---------------------------|---|---|---|
| | | | |  |  |  |
| APFW-200SM | 83 | 178 | 5 | +20/-10 | ±25 | ∞* |
| APFW-300SM | 108 | 204 | 5 | +30/-10 | ±35 | ∞* |
| APFW-400SM | 133 | 228 | 5 | +40/-20 | ±40 | ∞* |

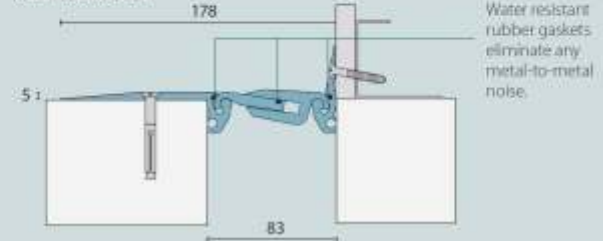
APF-200SM



APF-400SM



APFW-200SM



LOAD CAPABILITY



APF-SM covers are designed for high traffic areas, including those where heavy rolling loads are present. They will withstand:

- Forklifts with full pneumatic tyres; permissible total weight of 7 tonnes.
- Trucks with pneumatic tyres; permissible total weight of 30 tonnes.
- Vehicles and goods handling trucks with tyres of hard plastics; permissible load of 6.5kg per every mm of tyre width.

MATERIALS, COLOURS AND FINISHES

Aluminium sections: mill finished as standard, except for exposed wall frames which are supplied in a natural anodised finish. Cover plates and floor frames are serrated to offer slip resistance.

ACCESSORIES

- Fire Barriers ▶ 90-91
- Moisture Barriers ▶ 92

STOCK LENGTHS

Aluminium sections: 3m

FIXINGS

- **Floor:** fixings (by others) to suit substrate at 450mm centres and to achieve minimum 40mm embedment
- **Wall:** fixings (by others) to suit substrate at 450mm centres

NB: Frames are supplied undrilled.

ANKITPOLYMERS - PCH

JOINT WIDTH UP TO 100MM | MOVEMENT UP TO +75/-80MM



Durable, surface mounted hinged floor system designed to accommodate an offset in floor elevation.

- Heavy duty, surface mounted aluminium joint covers
- Cover is fixed to one slab, allowing movement over adjacent slab
- Hinged plate design can accommodate up to 30mm slab offset in floor elevation (NB: movement can only occur on one side of the joint and in one direction - see drawings below)
- Serrated cover plates for a slip resistant finish
- Quick, easy to install, and low maintenance
- Suitable for interior applications; new or retrofit
- Load capability: 1000kg point load



FLOOR FINISH | Carpet | Vinyl | Wood | Tile | Terrazzo | Stone | Concrete




FLOOR TO FLOOR COVERS

| Model | Joint width (mm) | Exposed surface (mm) | Frame thickness (mm) | Movement (mm) | | |
|---------|------------------|----------------------|----------------------|---|---|---|
| | | | |  |  |  |
| PCH-200 | 50 | 284 | 5 | +125/-30 | -30* | ∞** |
| PCH-300 | 75 | 284 | 5 | +100/-55 | -30* | ∞** |
| PCH-400 | 100 | 284 | 5 | +75/-80 | -30* | ∞** |

* Vertical movement can only happen on one side of the joint opening and in one direction only

** Restricted by site conditions

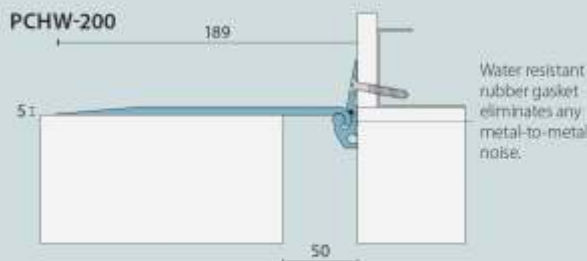
FLOOR TO WALL COVERS

| Model | Joint width (mm) | Exposed surface (mm) | Frame thickness (mm) | Movement (mm) | | |
|----------|------------------|----------------------|----------------------|---|---|---|
| | | | |  |  |  |
| PCHW-200 | 50 | 189 | 5 | +125/-30 | -30* | ∞** |
| PCHW-300 | 75 | 189 | 5 | +100/-55 | -30* | ∞** |
| PCHW-400 | 100 | 189 | 5 | +75/-80 | -30* | ∞** |

PCH-200



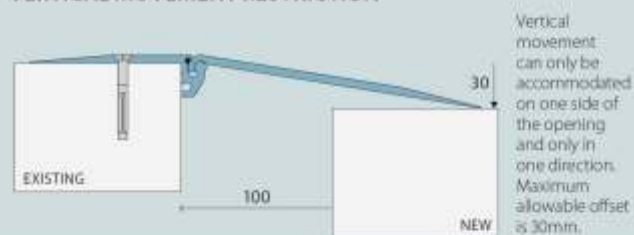
PCHW-200



PCH-300



VERTICAL MOVEMENT RESTRICTION



MATERIALS, COLOURS AND FINISHES

Aluminium sections: supplied in mill finish as standard. Floor sections are serrated to provide slip resistance.

ACCESSORIES

Fire Barriers ► 90-91

STOCK LENGTHS

Aluminium sections: 3m

FIXINGS

- **Floor:** fixings (by others) to suit substrate at 450mm centres and to achieve minimum 40mm embedment
- **Wall:** fixings (by others) to suit substrate at 450mm centres

NB: Frames are supplied undrilled.

SMN SERIES

JOINT WIDTH UP TO 50MM | MOVEMENT UP TO +60/-40MM



Easy to install, tamper-proof and low maintenance aluminium wall joint covers.

- Surface mounted wall joint covers
- Can be used as ceiling covers where construction permits
- Cover plate has a natural anodised finish as standard, but can be painted, or supplied powder coated* to blend in with the surrounding walls
- Tamper-resistant design with no exposed fasteners
- Easy to install, perfect for retrofit installations
- Often used for masonry applications where flush covers cannot be mounted into the wall structure
- Durable and low maintenance



WALL FINISH | Concrete | Brick | Plasterboard | Stone | Tile

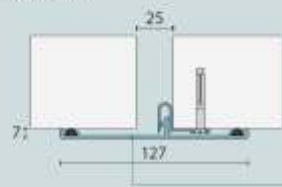
WALL TO WALL COVERS

| Model | Joint width (mm) | Exposed surface (mm) | Movement (mm) | | |
|---------|------------------|----------------------|---------------|----|----|
| | | | ↔ | ↕ | ↗ |
| SMN-100 | 25 | 127 | +40/-15 | ±3 | ±5 |
| SMN-200 | 50 | 197 | +60/-40 | ±4 | ±5 |

CORNER WALL OR WALL TO CEILING COVERS

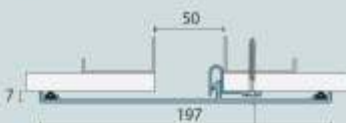
| Model | Joint width (mm) | Exposed surface (mm) | | Movement (mm) | | |
|----------|------------------|----------------------|----|---------------|----|----|
| | | A | B | ↔ | ↕ | ↗ |
| SMNC-100 | 25 | 76 | 46 | +40/-12 | ±3 | ±5 |
| SMNC-200 | 50 | 124 | 47 | +60/-35 | ±4 | ±5 |

SMN-100



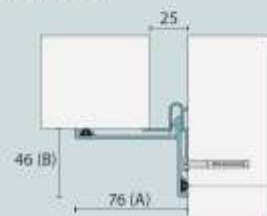
Cover plate snaps into a continuous anchor clip for simple installation.

SMN-200



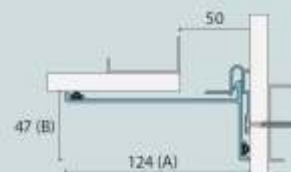
Cover plate is supplied in a natural anodised finish, or can be painted or supplied powder coated* to match the surrounding wall finish.

SMNC-100



Gaskets on cover edges allow for optimal fit to the wall.

SMNC-200



MATERIALS, COLOURS AND FINISHES

Aluminium sections: covers are supplied in a natural anodised finish as standard, or can be polyester powder coated (subject to minimum quantity). Continuous aluminium anchor clip is mill finished.

COMPLEMENTARY FLOOR COVERS

PC Series ▶ 42

ACCESSORIES

- Fire Barriers ▶ 90-91
- Acoustic Barriers ▶ 93

STOCK LENGTHS

Aluminium sections: 3m

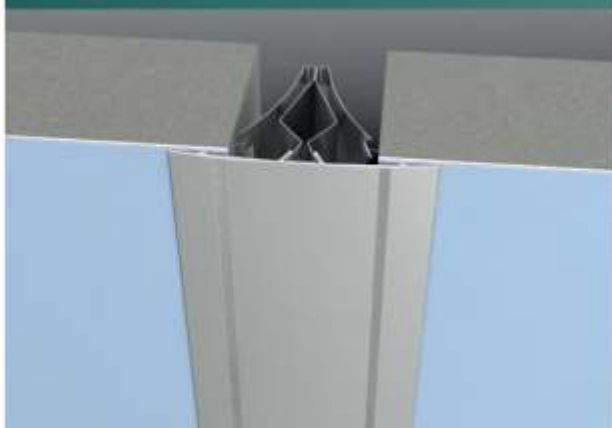
FIXINGS

Fixings (by others) to suit substrate at 450mm centres.

NB: Anchor clip sections are supplied undrilled.

W SERIES

JOINT WIDTH UP TO 50MM | MOVEMENT UP TO ± 35 MM



Economical and easy to install rigid plates for wall joints, ideal for retrofit installations.

- Rigid aluminium plates for covering small wall joints with small movement requirements
- Quick installation using stainless steel clips
- Supplied in a natural anodised finish as standard, but can be painted or supplied powder coated* to blend in with the adjacent wall finish
- Suitable for interior applications only
- Compatible with a wide range of wall finishes



WALL FINISH | Concrete | Plasterboard | Brick | Stone | Tile

WALL TO WALL COVER PLATES

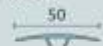
| Model | Joint width (mm) | | Exposed surface (mm) | Min. joint depth required (mm) | | Movement (mm) | |
|-------|------------------|------------|----------------------|--------------------------------|------------|---------------|------------|
| | Small clip | Large clip | | Small clip | Large clip | Small clip | Large clip |
| W-50 | 25 | - | 50 | 40 | - | ± 10 | - |
| W-70 | 25 | - | 70 | 40 | - | ± 10 | - |
| W-90 | 25 | 50 | 90 | 40 | 60 | ± 10 | +25/-35 |
| W-120 | 25 | 50 | 120 | 40 | 60 | ± 10 | ± 35 |

CORNER WALL COVER PLATES

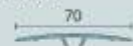
| Model | Joint width (mm) | | Exposed surface (mm) | Min. joint depth required (mm) | | Movement (mm) | |
|-------|------------------|------------|----------------------|--------------------------------|------------|---------------|------------|
| | Small clip | Large clip | | Small clip | Large clip | Small clip | Large clip |
| W-50A | 30 | - | 40 | 45 | - | ± 5 | - |
| W-70A | - | 40 | 60 | - | 65 | - | ± 10 |
| W-90A | - | 50 | 73 | - | 65 | - | ± 15 |

WALL TO WALL COVER PLATES

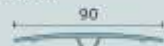
W-50



W-70



W-90



W-120



CORNER WALL COVER PLATES

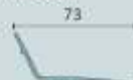
W-50A



W-70A

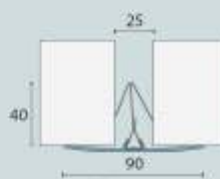


W-90A

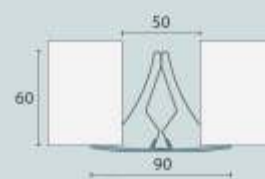


INSTALLATION

Cover plates are easily secured in place using stainless steel clips supplied with the products. Please note the minimum joint depth requirements, which are dependant on the joint size and clip type used.



W-90 installed over 25mm joint width using small clip option.



W-90 installed over 50mm joint width using large clip option.

MATERIALS, COLOURS AND FINISHES

Aluminium sections: cover plates are supplied in a natural anodised finish or can be powder coated (subject to minimum quantity). Clips are manufactured from stainless steel.

COMPLEMENTARY FLOOR COVERS

W Series ▶ 41

ACCESSORIES

Fire Barriers ▶ 90 (Jointofeu series)

STOCK LENGTHS

Aluminium sections: 3m

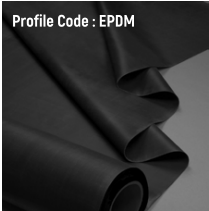
FIXINGS

Installation using clips (CS supplied) at 450mm centres.

EPDM Membrane
Floors and walls
25- 400mm Expansion Gap

Features

Membrane: Nonreinforced, cured EPDM (ethylene propylene diene monomer).
Fully Extruded: Produces fewer air voids, more uniform thickness and smoother sheets.
Membrane Formulation Performs in extreme temperature climates and withstands differential movement (elongation).
UV-Stabilization Properties: Offers outstanding ozone and weather resistance delivering one of the longest service lives available.
Color: Black
Temperature Range: - 35 to 100 C
Hardness : 70±5 Shore A



Applications
Below Expansion Joint Covers

I .PHYSICAL PROPERTIES:

| Sl.Nr. | DESCRIPTION | TEST METHOD | UNIT | SPECIFICATION |
|--------|--|-------------|---------------------|---------------|
| 1. | Hardness | ISO 7619 | Shore A | 70±5 |
| 2. | Specific Gravity | ISO 2781 | - | 1.18±0.05 |
| 3. | Tensile Strength , Min . | ISO 37 | kg /cm ² | 100 |
| 4. | Elongation At Break, Min . | ISO 37 | % | 300 |
| 5. | Compression Set, Max . (22h rs @100°C) | ISO 815 | % | 35 |
| 6. | Accelerated ageing resistance. (24h rs @100°C) | ISO 188 | - | - |
| 6.1 | Change in Hardness | ISO 7619 | Shore A | ± 5 |
| 6.2 | Change in Tensile Strength , Max . | ISO 37 | % | -15 |
| 6.3 | "Change in Elongation at Break, Max ." | ISO 37 | % | -25 |

II .GENERAL PROPERTIES:

| | | |
|-----|--------------------------------------|-----------|
| 7. | Resistance to UV | Excellent |
| 8. | Resistance to Water | Excellent |
| 9. | Resistance to Acids | Fair |
| 10. | Resistance to Alkalis | Fair |
| 11. | Resistance to Aliphatic Hydrocarbons | Fair |
| 12. | Resistance to Hydraulic Oils | Good |
| 13. | Resistance to Fuels | Fair |
| 14. | Resistance to Weathering | Excellent |
| 15. | Resistance to Oxidative ageing | Good |

ALUMINUM TECHNICAL DATASHEET
Standard: EN AW-6063-T6 (DIN EN 573-1)

Chemical composition

| | | | |
|---------------------|-------------|----------------------|-------------|
| Si | 0,20 - 0,60 | Mg | 0,45 - 0,90 |
| Fe | 0,35 | Cr | 0,10 |
| Cu | 0,10 | Zn | 0,10 |
| Mn | 0,10 | Ti | 0,10 |
| Other elements each | 0.0- 0,05 | Other elements total | 0.0- 0,15 |

Technological properties

| | |
|---------------------------------|------------|
| Resistance to normal atmosphere | Very good |
| Resistance to marine atmosphere | Very good |
| Weldability | Very good |
| Machinability | sufficient |
| Extrudability | Very good |
| Protective anodising | Very good |

Physical properties

| | |
|---|-------------------------------|
| Density (g/cm ³) | 2,70 |
| Young's Modulus (GPa) | 69 |
| Coefficient of thermal expansion (10 ⁻⁶ K) | 23,4 |
| Thermal conductivity (W/K m) | 190 - 220 |
| Electrical conductivity (MS/m) | 28 - 34 |
| Material condition | T 6 |
| Melting temperature (°C) | 660 |
| Fire resistance | non-flammable (Fire class A1) |

Specified minimum values

| | |
|--|-----|
| Tensile strength R _m (MPa) | 245 |
| Rupture strength R _{p0.2} (MPa) | 200 |
| Elongation A ₁ (%) | 8 |
| Elongation A _{5mm} (%) | 6 |

RUBBER TECHNICAL DATASHEET

| SR NO | PROPERTIES | TEST METHOD | UNIT | SPECIFICATION |
|-------|--------------|-------------|------|---------------|
| 1. | Base Polymer | EPDM | | |

Physical Properties

| | | | | |
|---|---|-------------|-------------------|-------------|
| 1 | Hardness | ASTM D 2240 | Shore A | 70 ± 5 |
| 2 | Tensile Strength, Min | ASTM D 412 | Mpa | 9 |
| 3 | Elongation at Break, Min | ASTM D 412 | % | 220 |
| 4 | Tear Strength, Min | ASTM D 624 | kN/m | 25 |
| 5 | Specific Gravity | ASTM D 297 | g/cm ³ | 1.30 ± 0.05 |
| 6 | Compression Set, Max (22hrs@1000C) | ASTM D 395 | % | 28 |
| 7 | After Aging Properties (Hot Air Aging 96 hrs at 700C) | | | |
| a | Change In Hardness,Max | ASTM D 573 | Shore A | ± 10 |
| b | Change In Tensile Strength,Max | ASTM D 573 | % | -20 |
| c | Change in Elongation at Break,Max | ASTM D 573 | % | -25 |

Physical Properties

| | | |
|---|--|--------------------|
| 1 | Resistance to UV & Ozone | Excellent |
| 2 | Resistance to Weather | Excellent |
| 3 | Water swell Resistance | Very Good |
| 4 | Resistance to Thermal Ageing | Excellent |
| 5 | Resistance to Chemicals | Excellent |
| 6 | Resistance to Mild acids | Good |
| 7 | Resistance to Alcohol | Good |
| 8 | Resistance to Petroleum Oil and Mineral Oils | Poor |
| 9 | Temperature Range(Dry Heat) | - 40 to +130 Deg C |

Vapor Barrier

For Floors And Walls
Gaps From 50 upto 400mm

Feature

Nexus Vapor Barrier is a 1.5mm high density Polythylene Membrane.

| | |
|-----------------------------|--|
| Fully Extruded | Produces fewer air voids, more uniform thickness and smoother sheets |
| Membrane Formulation | Performs in extreme temperature climates and with-stands differential movement (elongation). |
| UV-Stabilization Properties | Offers outstanding ozone and weather resistance delivering one of the longest service lives available. |
| Temperature | 35 to 100° C |



I .PHYSICAL PROPERTIES:

| Sl.Nr. | DESCRIPTION | TEST METHOD | UNIT | SPECIFICATION |
|--------|--|-------------|-------------------|---------------|
| 1. | Hardness | ISO 7619 | Shore A | 75±2 |
| 2. | Specific Gravity | ISO 2781 | - | 1±0.05 |
| 3. | Tensile Strength , Min . | ISO 37 | N/mm ² | 8 |
| 4. | Elongation At Break, Min . | ISO 37 | % | 600 |
| 5. | Compression Set, Max . (22h rs @100°C) | ISO 815 | % | 48 |

II .GENERAL PROPERTIES:

| | | |
|----|--------------------------------------|-----------|
| 1. | Resistance to UV | Excellent |
| 2. | Resistance to Water | Excellent |
| 3. | Resistance to Acids | Fair |
| 4. | Resistance to Alkalis | Fair |
| 5. | Resistance to Aliphatic Hydrocarbons | Fair |
| 6. | Resistance to Hydraulic Oils | Good |
| 7. | Resistance to Fuels | Fair |
| 8. | Resistance to Weathering | Excellent |
| 9. | Resistance to Oxidative ageing | Good |





ANKIT POLYMERS

CERTIFICATIONS





ANKIT POLYMERS

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