



CATALOGUE

EXPANSION JOINT

Inno Viva Co., Ltd.

INTRODUCTION

BACKGROUND

Inno Viva Company Limited is one of the Thailand's most progressive producer and importers of building material products, we are a fast growing company focus on delivering the best service and quality products to our customers.

Presently we have several major projects in Thailand with particularly strength in Architectural products such as Expansion Joint Cover, Mat Entrance, Wall Protection and Louver

In addition Inno Viva Company Limited has been certified to the ISO 9001:2015 standard for quality of trading in building and construction materials, with strong experience in architectural products, we are developing products based on extensive survey of international and local market, in an effort to offer the best quality to our customers.



COMMERCIAL BUILDING PRODUCTS

Inno Viva Company Limited is supplier and manufacturer of commercial building products, with our experienced in specialty construction items, we can minimize cost and time associated with the construction project workflow and provide the right solution to support our client.



THE SELECTION GUIDE

FOR EXPANSION JOINT COVER

The information below is an initial reference point for all types of joint covers, customer can be used this information to determination for the specific need of each project.



FLOOR

- In order to select model, area and movement are the initial point to consideration.
- Surface and profiles of joint cover are necessary, for areas with heavy vehicle traffic, heavy duty profiles must be consideration.
- Invisible fold design and smooth surface are recommended for hospitals and pharmaceutical areas.
- Aluminum profiles or stainless steel cover plates are recommended for heavy traffic areas.



WALL & CEILING

- Selecting wall & ceiling cover matching with the floor cover profile.
- The required movement of wall & ceiling should be related with existing floor systems.
- Wall & ceiling cover should have fire barrier for safety reason.
- Available for install water membrane.



ROOF

- The end user's requirements on both appearance and strength (accessible or inaccessible) will dictate the correct selection of the visible material of joint profile.
- Membranes must be installed to protect against water.
- Expansion joint cover must continue to the parapet for at least 20 cm.
- Expansion joint cover must be easily repaired.



FIRE INSULATION AND WATERPROOFING

- Joints that coincide with fire compartments must be filled with fire-insulating material which will meet the requirements of the fire-safety study.
- Fire insulating material installed in floor joints must be protected from water since the latter usually damages the properties of the material.
- Outside area should install waterproofing to against water.
- Fire insulation and waterproofing are available for most joint and movement dyn

TECHNICAL DATA

MATERIALS

► METALS

Extruded aluminum 6063-T5, 6063-T6, 6061-T6 ASTM B221, Stainless Steel Type 304 hairline finish (HL).

► ELASTOMERIC SEALS

EPDM, Santoprene, Neoprene.

► ALLOWABLE LOAD

Designed and tested to withstand minimum point load 230 kgs. for standard model and 1,000 kgs. for heavy duty model.

► FINISH

Mill Finish, Natural Anodized (NA film thickness 10 +/- 2 micron), Titanium (Ti), RAL Powder Coat.

► ACCESSORIES / FASTENERS

Fasteners accessories and other materials required for complete installation, see InnoFlex installation instruction.

FLOOR JOINT COVERS

InnoFlex Expansion joint floor cover has been designed for suite with any floor cover design. Expansion joint floor cover available for aluminum and elastomeric in different models, InnoFlex products developed under focusing as attractive design and high performance, made it easy for installation therefore that is able to provided a variety of types to satisfy customer requirement.

WALL & CEILING JOINT COVERS

These systems are design to match with wall & ceiling application, we are provide high performance expansion joint cover to match with wall surface, the system available in metal and elastomeric models, easy for installation therefore that is able to provided a variety of types to satisfy customer requirement.

PARKING JOINT COVERS

InnoFlex Rubber & Elastomeric cover designed for heavy duty traffic, EPDM rubber due to EPDM exhibits satisfactory compatibility with fireproof hydraulic fluids, hot and cold water and UV resistance, InnoFlex joint available in multiple types that be able to match parking floor for customer requirements.

ROOF JOINT COVERS

InnoFlex Roof cover is available in extruded aluminum ,stainless steel model for heavy duty reason these joint are suitable areas that require watertight. The system combined with extruded aluminum/stainless steel cover for movement capability and moisture barrier sheet to support water resistance.

VAPOR BARRIER

EPDM rubber gutter moisture collection system is secondary moisture proof use in conjunction with adhesire or mechanical fartemed system designed to stop the ingress of water to high-movement joint in building structures.

FOAM SEAL

InnoFlex provides primary waterproof expansion joint system, sealing expansion joints in exterior areas, watertightness is achieved through foam joint seal, InnoFlex waterproof systems are available for vertical and horizontal line and also offer multi types and a purpose-designed to match with multifunction.

FIRE BARRIER

InnoFlex fire barrier has been tested and certified by UL 2079, SIST EN 13501-2:2008+A1:2009 the system offer full protection follow standard test require. InnoFlex fire barrier are flexible enough to enable easy installation in less accessible parts of constructions.

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FLOOR JOINT COVERS

■ InnoFlex Expansion joint floor cover has been designed for suite with any floor cover design. Expansion joint floor cover available for aluminum and elastomeric in different models, InnoFlex products developed under focusing as attractive design and high performance, made it easy for installation therefore that is able to provided a variety of types to satisfy customer requirement.

FLOOR JOINT COVERS

FM200/25 & FMW200/25

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
FM200/25	25	46	± 10	15	35
FMW200/25	25	46	± 10	15	35

Material : Aluminum extrusion

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

Special Features : Resistant for heavy traffic 1.69 tones of Ultimate load

FM200/25 is use for intensive pedestrian and light vehicle traffic areas such as shopping malls, hospitals, office and residential buildings. It's advantages are decorative surface and easy application. Joint profile compatible with ceramic, granite, marble etc.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT



WEIGHT



CAR

FMS200/25 & FMSW200/25

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
FMS200/25	25	53	± 7.50	17.50	32.50
FMSW200/25	25	53	± 7.50	17.50	32.50

Material : Aluminum extrusion

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

Special Features : Resistant for heavy traffic 1.25 tones of Ultimate load

FMS200/25 is use for intensive pedestrian and light vehicle traffic areas such as shopping malls, hospitals, office and residential buildings. It's advantages are decorative surface and easy application. Joint profile compatible with ceramic, granite, marble etc.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT

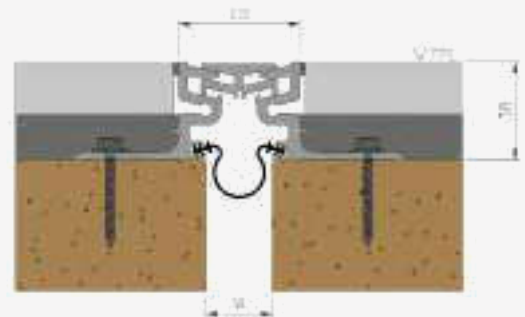


WEIGHT

FM200/25



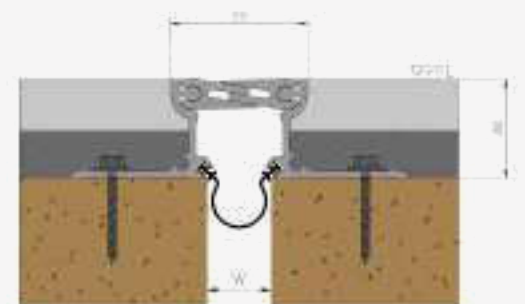
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FMS200/25



Drawing

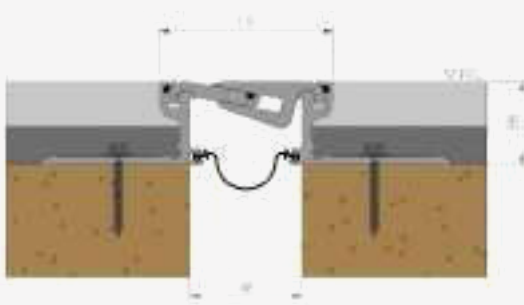


FLOOR JOINT COVERS

FM200/50



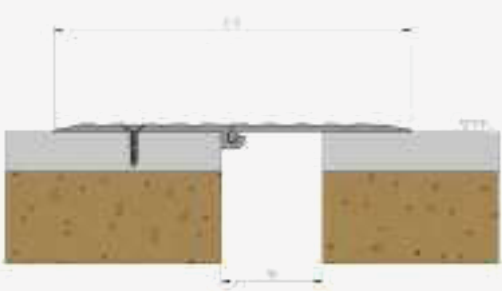
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FM100



Drawing



FM200/50 & FMW200/50

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
FM200/50	50	77	+ 15 / - 10	40	65
FMW200/50	50	77	+ 15 / - 10	40	65
FM200/100	100	127	+ 30 / - 25	75	130
FMW200/100	100	127	+ 30 / - 25	75	130

Material : Aluminum extrusion

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

Special Features : Resistant for heavy traffic 2.69 tones of Ultimate load

FM200/50, FM200/100 is use for intensive pedestrian and heavy vehicle traffic areas such as shopping malls, hospitals, office and residential buildings. It's advantages are decorative surface and easy application. Joint profile compatible with ceramic, granite, marble etc.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT



WEIGHT



CAR

FM100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
FM100	50	177	± 30	20	80

Material : Aluminum extrusion

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

FM 100 is aluminum joint profile for over finishing and use for intensive pedestrian and light load areas such as shopping malls, hospitals, office and residential buildings. It is submitted with the assembling holes open and ready.



EXPANSION AND CONTRACTION



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FLOOR JOINT COVERS

AR120-030

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR120-030	30	24	± 3	27	33
AR107-050	50	52	± 10	40	60
AR303-100	100	120	± 14	86	114

Wall type recommend model : AR 220-030 , AR 202-051 , AR 211-100

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).
Black, Grey, Cream (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

Special Features :

AR120-030 resistant for pedestrian traffic.

AR107-050 resistant for heavy traffic 2.5 tones of vehicle / 2 tones of forklift.

AR303-100 resistant for heavy traffic 3 tones of vehicle / 1.5 tones of forklift.

If the narrow insert is desired this profile is suitable for ceramic, marble and any other finishing material.
AR107-050, AR303-100 can be used various buildings such as industrial structures, hospitals and parking area.
It is decorative, easily installed as well as resistant to high loads.



EXPANSION AND
CONTRACTION



VERTICAL
DISPLACEMENT



ADA GUIDELINE
COMPLIANT



TRUCK



FORKLIFT

AR171-035

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR171-035	35	135	± 5	30	40
AR172-050	60	160	± 10	50	70
AR174-100	100	200	± 14	86	114

Wall type recommend model : AR 258-030 , AR 259-050 , AR 259-100

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).
Black, Grey, Cream (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

Special Features :

AR171-035 resistant for heavy traffic 5 tones of vehicle / 2.5 tones of forklift.

AR172-050 resistant for heavy traffic 3.5 tones of vehicle / 2 tones of forklift.

Surface floor dilation profile with anodised. It is submitted with the assembling holes open and ready. Joint profile has some screw holes for fixing on the overlay. It is delivered in assembled.



EXPANSION AND
CONTRACTION



VERTICAL
DISPLACEMENT



ADA GUIDELINE
COMPLIANT



TRUCK

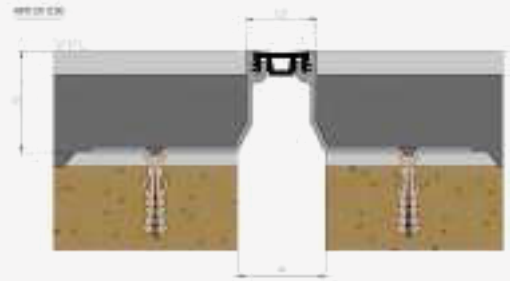


FORKLIFT

AR120-030



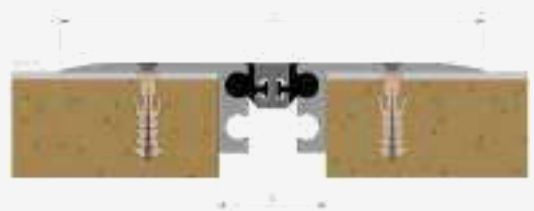
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AR171-035



Drawing

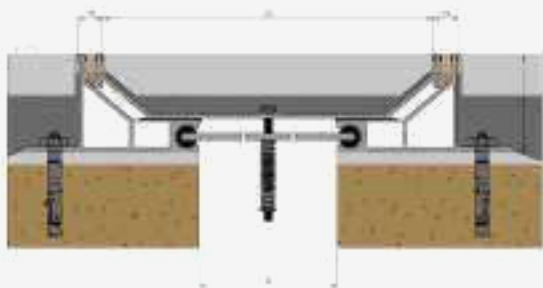


FLOOR JOINT COVERS

AR814-100



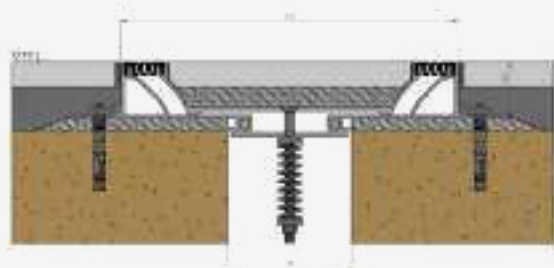
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AR802-100



Drawing



AR814-100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR814-100	100	240	± 50	50	150

Material : Aluminum extrusion

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

This seismic expansion joint profile is installed with epoxy mortar. It has stainless steel cover alternative and aluminium alternative. There is TPE sound absorber between middle profile and side leg.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT



SEISMIC

AR802-100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR802-100	100	272	± 50	50	150

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).

Black, Grey, Cream (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

Seismic expansion joint profile for 100 mm width. It is suitable for granite, marble and PVC floor overlats.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT



SEISMIC

FLOOR JOINT COVERS

AR813-100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR813-100	100	130	± 50	50	150

Material : Aluminum extrusion with Stainless steel cover

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

Special Features : Resistant for heavy traffic 3 tones of vehicle.

Stainless steel top covered profile is used for many places where high movement capacity and abrasive strength and chemical strength is necessary.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT



TRUCK



SEISMIC

AR851-050

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR851-050	50	170	± 25	25	75
AR851-100	100	270	± 50	50	150

Material : Aluminum extrusion

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

Special Features : AR851-050 resistant for heavy traffic 2.7 tones of vehicle.

AR851-100 resistant for heavy traffic 2.5 tones of vehicle.

Joint profile resistant to the pedestrian and vehicle traffic in high movement capacity.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT

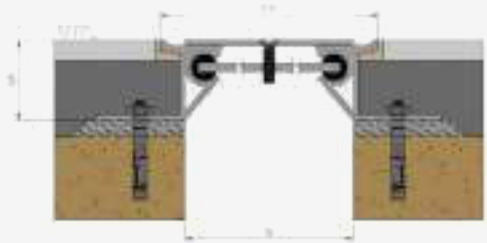


TRUCK

AR813-100



Drawing



AR851-050



Drawing





WALL & CEILING

■ These systems are design to match with wall & ceiling application, we are provide high performance expansion joint cover to match with wall surface, the system available in metal and elastomeric models, easy for installation therefore that is able to provided a variety of types to satisfy customer requirement.

WALL & CEILING JOINT COVERS

WM100 & WMC100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
WM100/50	50	127	± 25	25	75
WM100/75	75	152	± 37.50	37.5	112.5
WM100/100	100	177	± 50	50	150
WMC100/50	50	100	± 25	25	75
WMC100/75	75	127	± 37.50	37.5	112.5
WMC100/100	100	152	± 50	50	150

Material : Aluminum extrusion (aluminum expansion joint models).

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (all aluminum models).

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

Wall / Ceiling joint profile are installed from one side with hidden screw . It use for over finishing.



WM300 & WMC300

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
WM300/50	50	127	± 25	25	75
WM300/100	100	298	± 50	50	150
WMC300/50	50	60	± 12.50	37.50	62.50
WMC300/100	100	184	± 25	75	125

Material : Aluminum extrusion (aluminum expansion joint models).

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (all aluminum models).

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

Wall / Ceiling joint profile for 50 - 100 mm expansion joint gap. It use for over finishing are installed with hidden screw.



WM100



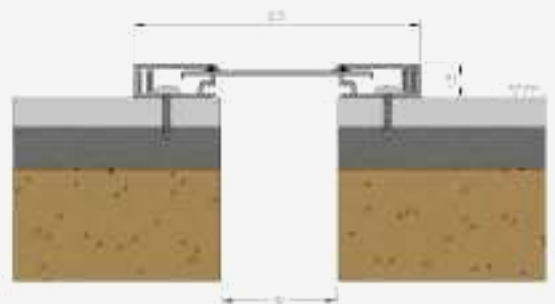
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WM300 & WMC300



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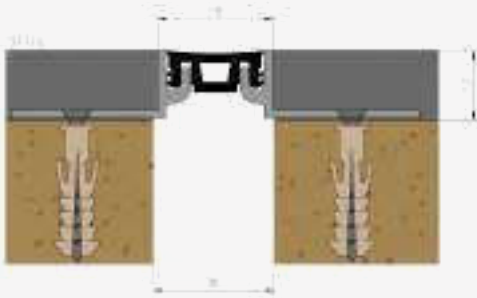
WALL & CEILING

JOINT COVERS

AR220-030



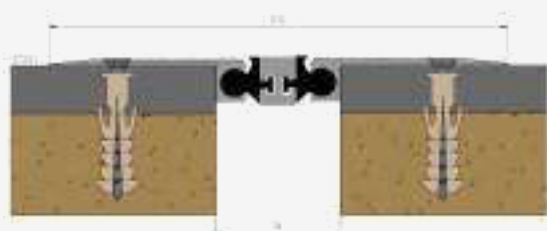
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AR258-030



Drawing



AR220-030

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR220-030	30	30	± 10	20	40
AR202-051	50	145	± 10	40	60
AR211-100	100	120	± 14	86	114

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).
Black, Grey, Cream (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

A dilatation profile with insert which is suitable for gypsum plaster and ceramic overlays.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT

AR258-030

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR258-030	35	135	± 5	30	40
AR259-050	60	160	± 10	50	70
AR259-100	100	200	± 14	86	114

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).
Black, Grey, Cream (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

Wall / Ceiling dilatation profile for over finishing. It is delivered with in an assembled state.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT

WALL & CEILING JOINT COVERS

GW100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
GW100/50	50	50	± 25	25	75
GW100/100	100	100	± 50	50	150

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10

Black (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

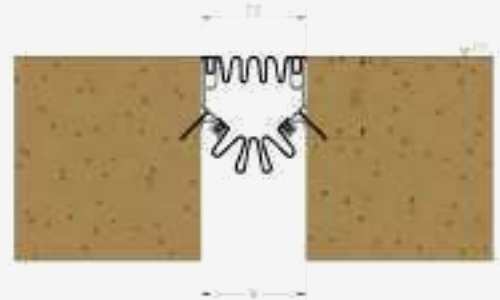
Optional accessories : Water barrier systems.

Fire barrier systems.

Wall / Ceiling joint profile for 50 - 100 mm expansion joint gap. It use for installed in Joint gap with hidden screw. It is submitted with the assembling holes open and ready.



Drawing



GW200 & GWC200

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
GW200/50	50	130	± 25	25	75
GW200/100	100	180	± 50	50	150
GWC200/50	50	90	± 25	25	75
GWC200/100	100	140	± 50	50	150

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10

Black (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

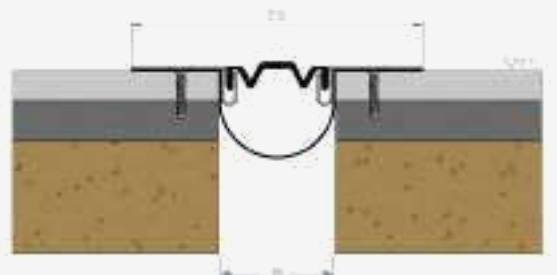
Optional accessories : Water barrier systems.

Fire barrier systems.

Wall / Ceiling dilatation profile for over finishing. It is delivered with in an assembled state.



Drawing





PARKING JOINT COVERS

■ InnoFlex Rubber & Elastomeric cover designed for heavy duty traffic, EPDM rubber due to EPDM exhibits satisfactory compatibility with fireproof hydraulic fluids, hot and cold water and UV resistance, InnoFlex joint available in multiple types that be able to match parking floor for customer requirements.

PARKING JOINT COVERS

AR753-050

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR753-050	50	192	± 10	40	60
AR191-100	100	250	± 15	85	115

Material : Aluminum extrusion with Rubber

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).
Black, Grey, Cream (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.
Fire barrier systems.

Special Features :

AR753-050 resistant for heavy traffic 6 tones of vehicle / 3.5 tones of forklift.

AR191-100 resistant for heavy traffic 30 tones of vehicle

Joint profile resistant to heavy loads. It is use for parking industrial floor. It has screw holes on both sides.



EXPANSION AND
CONTRACTION



VERTICAL
DISPLACEMENT



PARKING



TRUCK



FORKLIFT

AR911-050

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR911-050	50	250	± 25	25	75
AR911-100	100	300	± 50	50	150

Material : Steel with Rubber

Color system : Black

Installation characteristics : The anchor bolt

Optional accessories : Water barrier systems.
Fire barrier systems.

Special Features :

AR911-050 resistant for 14.5 tones of vehicle axle traffic according to AASHTO

AR191-100 resistant for 14.5 tones of vehicle axle traffic according to AASHTO

This composite profile is used for especially car parks, and bridges which is located on roadways or shopping malls (it is not suitable for highway roads).



EXPANSION AND
CONTRACTION



VERTICAL
DISPLACEMENT



PARKING

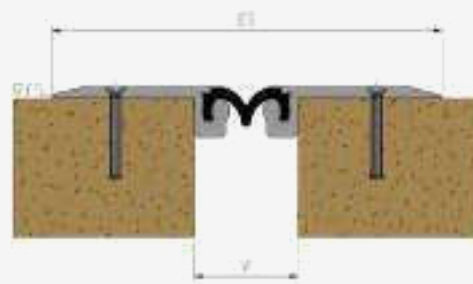


TRUCK

AR753-050



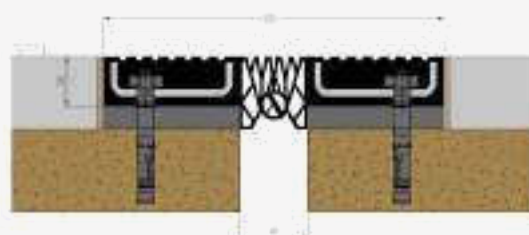
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AR911-050



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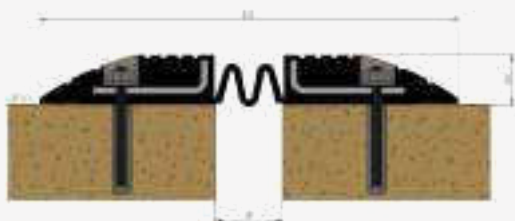
PARKING

JOINT COVERS

AR921-051



Drawing



AR951-050



Drawing



AR921-051

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR921-051	50	312	± 40	10	90
AR921-100	100	362	± 50	50	150

Material : Steel with Rubber

Color system : Black

Installation characteristics : The anchor bolt

Optional accessories : Water barrier systems.
Fire barrier systems.

Special Features :

AR921-051 resistant for 6.5 tones of axle load. It has also line over the profile for anti slip.
AR921-100 resistant for 6.5 tones of axle load. It has also line over the profile for anti slip.

This special composite profile is made of from high quality rubber and steel sheet. Especially it is suitable for carpark area where there isn't any finishing material. It is also best solution for repairing on exist carparkss.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



PARKING



TRUCK

AR951-050

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR951-050	50	200	± 40	10	90
AR951-100	100	250	± 40	60	140

Material : Steel with Rubber

Color system : Black

Installation characteristics : The anchor bolt

Optional accessories : Water barrier systems.
Fire barrier systems.

Special Features :

AR951-050 resistant for heavy traffic 16 tones of vehicle / 3.5 tones of forklift.
AR951-100 resistant for heavy traffic 16 tones of vehicle / 3.5 tones of forklift.

This special composite profile is made of from high quality rubber and steel sheet. Especially it is suitable for carpark area where there isn't any finishing material. It is also best solution for repairing on exist carparkss.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



PARKING



TRUCK



FORKLIFT

PARKING JOINT COVERS

ESH 200

Specification

Model	Joint Width		Material Size (mm.)	Movement Capacity (mm.)	Movement Opening	
	(mm.)	(inc.)			Min (mm.)	Max (mm.)
ESH 200/25	25	1	30 x 30	± 10	15	35
ESH 200/30	32	1.25	40 x 40	± 11	21	43
ESH 200/40	38	1.50	50 x 50	± 15	23	53
ESH 200/50	50	2	60 x 60	± 20	30	70
ESH 200/60	64	2.50	75 x 50	± 22	42	86
ESH 200/90	89	3.5	100 x 75	± 40	49	129

Material : Elastomeric Rubber, EPDM

Color system : Black, Grey

Installation characteristics : Epoxy adhesive

Polyurethane sealant adhesion.

Optional accessories : Fire barrier systems.

Expansion joint profile use for pre cast element. It is submitted with the assembling holes open and ready.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



PARKING



WATERPROOF

ESH 300

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
ESH 300	50	216	± 25	25	75

Material : EPDM

Color system : Black

Installation characteristics : Epoxy adhesive

Optional accessories : Fire barrier systems.

This profile is made of from high quality rubber / EPDM . Especially it is suitable for carpark area where there isn't any finishing material. Installation must prepare blockout before install.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



PARKING

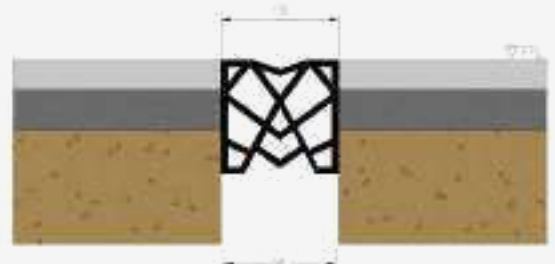


WATERPROOF

ESH 200



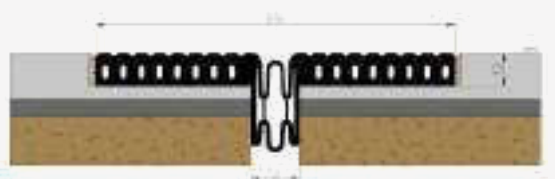
Drawing



ESH 300



Drawing





ROOF JOINT COVERS

■ InnoFlex Roof cover is available in extruded aluminum ,stainless steel model for heavy duty reason these joint are suitsble areas that require watertight. The system combined with extruded aluminum/stainless steel cover for movement capability and moisture barrier sheet to support water resistance.

ROOF JOINT COVERS

AR600-050

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR600-050	50	98	± 10	40	60
AR600-100	100	130	± 20	80	120

Material : Aluminum extrusion with Rubber and Stainless steel cover

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).
Black (rubber insert)

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Fire barrier systems.

Special Features : Resistant for heavy traffic 15 tones of vehicle / 6 tones of forklift.

Dilatation profile suitable for terrace, parking areas that require water isolation and bituminous membranes that provide full tightness in wet areas. When thermal insulation is performed over water isolation, the profile system is raised with toe concrete. It is recommended to use geotextile over membrane for protection.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



ADA GUIDELINE COMPLIANT



TRUCK



FORKLIFT



WATERPROOF

RM 100

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
RM100/50	50	206	± 25	25	75
RM100/100	100	280	± 50	50	150
RMW100/50	50	128	± 25	25	75
RMW100/100	100	190	± 50	50	150

Material : Aluminum extrusion with EPDM

Color system : Mill finish, Na 10, Powder coat, PVDF, Titanium (aluminum profile).

Installation characteristics : The anchor bolt for all aluminum models.

Optional accessories : Water barrier systems.

Fire barrier systems.

This expansion joint profile for application on roof concret.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



WATERPROOF

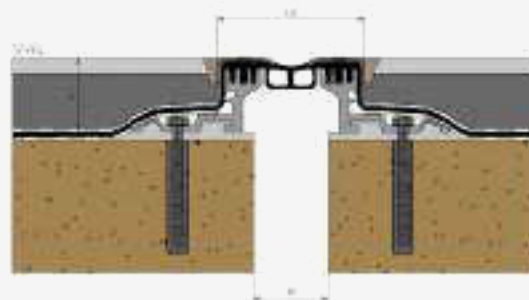


SEISMIC

AR600-050



Drawing



RM 100



Drawing

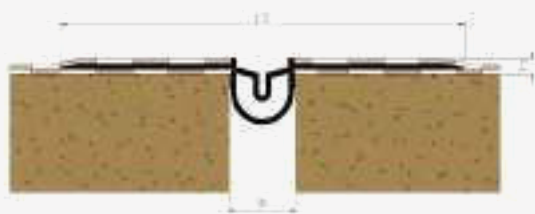


ROOF JOINT COVERS

AR500-030

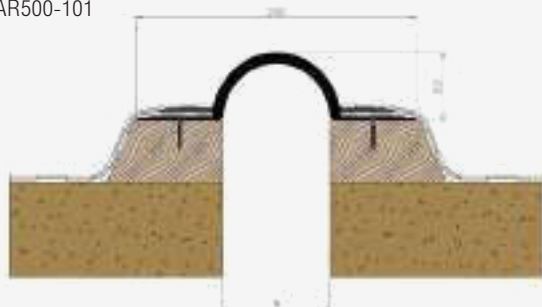


Drawing



Drawing

AR500-101



AR500-101K



AR500-030

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR500-030	50	300	± 25	25	75

Material : Thermoplastic dilatation tape

Color system : Black

Installation characteristics : Epoxy adhesive

Optional accessories : Fire barrier systems.

Thermoplastic dilatation tape that is suitable for bituminous membrane used for isolation purposes in the dilatation gap.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



WATERPROOF

AR500-101 / AR500-101K

Specification

Model	Joint Width (mm.)	Exposed Surface (mm.)	Movement Capacity (mm.)	Movement Opening	
				Min (mm.)	Max (mm.)
AR500-101	100	260	± 50	50	150

Material : Thermoplastic dilatation tape

Color system : Black

Installation characteristics : Epoxy adhesive

Optional accessories : Fire barrier systems.

Thermoplastic dilatation tape that is suitable for bituminous membrane used for isolation purposes in the dilatation gap.



EXPANSION AND CONTRACTION



VERTICAL DISPLACEMENT



WATERPROOF

VAPOR BARRIER

InnoFlex provides primary waterproof expansion joint system, sealing expansion joints in exterior areas, watertightness is achieved through foam joint seal, InnoFlex waterproof systems are available for vertical and horizontal line and also offer multi types and a purpose-designed to match with multifunction.

EPDM 100 / EPDM 200

Specification

Model	Joint Width (mm.)	Product width (mm.)	Elongation (%)
EPDM 100/25 EPDM 200/25	25	150	300
EPDM 100/50 EPDM 200/50	50	200	300
EPDM 100/75 EPDM 200/75	75	250	300
EPDM 100/100 EPDM 200/100	100	300	300

Physical Data

% Elongation	300
Tensile strength (Mpa)	10
Elongation at break (%)	>500
Tear resistance (Mpa)	50
Operating temperature	- 40 °C - >80 °C

KEY FEATURES

- Excellent UV resistance for outstanding weather ability in exposed applications.
- Low coefficient of thermal expansion and contraction provides excellent dimensional stability and lay flat characteristics.
- Not susceptible to environmental stress cracking (ASTM D 1693).
- Excellent chemical resistance to most industrial effluents.

Material : EPDM (Ethylene-Propylene Diene Rubber) heat-weldable sheet.

Color system : Black

Installation characteristics : Epoxy mortar for EPDM 200 only

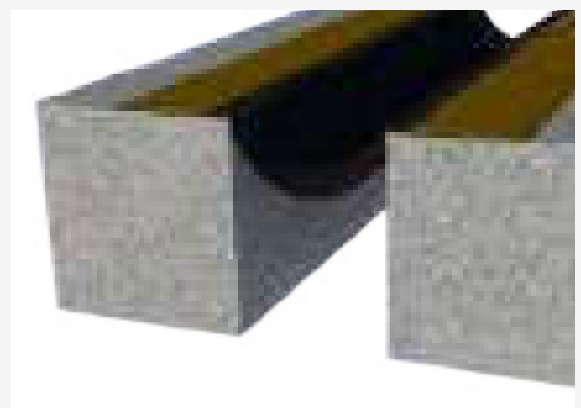
expansion joint tape is used for Isolating expansion joint gaps, thermal gaps and cracks on every type of buildings.



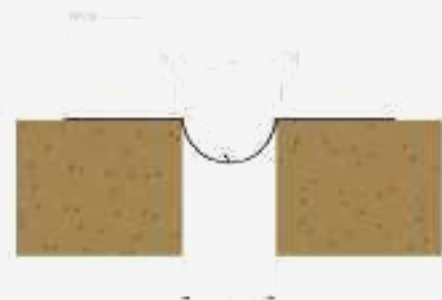
EPDM 100



EPDM 200



Drawing





FOAM SEAL

■ InnoFlex provides primary waterproof expansion joint system, sealing expansion joints in exterior areas, watertightness is achieved through foam joint seal, InnoFlex waterproof systems are available for vertical and horizontal line and also offer multi types and a purpose-designed to match with multifunction.

FOAM SEAL

Metazeal

Specification

Model	Joint Width		Material Size (mm.)	Movement Capacity (mm.)	Movement Opening	
	(mm.)	(inc.)			Min (mm.)	Max (mm.)
MZ 1.25	25	1	31.75 x 50.80	+ 14 / -10	15	39
MZ 1.875	38	1.5	47.63 x 50.80	+ 21 / -15	23	59
MZ 2.188	44	1.75	55.56 x 50.80	+ 25 / -17	27	69
MZ 2.50	50	2	63.50 x 50.80	+ 29 / -19	31	79

Material : Pre formed closed cell

Color system : Grey

Installation characteristics : Epoxy adhesive

Optional accessories : Fire barrier systems.

Metazeal is a UV stable, pre-formed closed-cell, low-density PE (polyethylene) foam joint seal. Metazeal has a higher maximum operating temperature, 212 F° this material acts as a **water tight**, seismic expansion joint seal.

* Meets ASTM 1056 Type 2, Class B, Grade 2 & AASHTO T-42-84 Modified.

Locations

- Commercial Building
- Water Treatment Facilities
- Bridges/Highways/Tunnels/Airport Runways
- Parking Garages
- Tanks / Pools
- Industrial Facilities/Runways



Emshield DFR 2

Specification

Model	Joint Width		Depth of Seal (mm.)	Movement Capacity (mm.)	Movement Opening		Fire-Rated (Hr.)
	(mm.)	(inc.)			Min (mm.)	Max (mm.)	
DFR2-0100	25	1	100	± 12.50	12.50	37.50	2
DFR2-0150	40	1.5	100	± 20	20.00	60.00	2
DFR2-0175	45	1.75	100	± 22.50	22.50	67.50	2
DFR2-0200	50	2	100	± 25	25.00	75.00	2

Material : Pre formed closed cell with traffic-grade silicone (Top) and fire-retardant (Bottom)

Color system : Grey

Special Features :

- 2-Hour Fire Rated to UL 2079
- Meets the requirements of ASTM E1966, ASTM E119 and ASTM E1399
- One Install Does It **All—fire-rated, watertight**, traffic bearing, 100% movement, quiet, non-invasive anchoring, UL 2079 Certified for decks and floors

Emshield® DFR2 Single-Unit, 2-Hour, UL2079 fire and water resistant expansion joint system for floors and decks. Emshield DFR2 is tested and certified by Underwriters Laboratories (UL), to the rigors of UL 2079 for deck and floor expansion joints as well as to California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 for low-emitting materials.



Metazeal



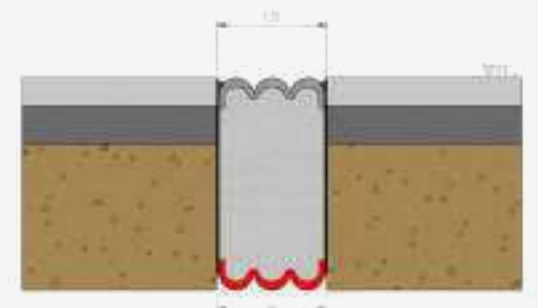
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Emshield DFR 2



Drawing



FIRE BARRIER

InnoFlex fire barrier has been tested and certified by UL 2079, SIST EN 13501-2:2008+A1:2009 the system offer full protection follow standard test require. InnoFlex fire barrier are flexible enough to enable easy installation in less accessible parts of constructions.

Product Certification and Approvals

Glossary of Terms

UL Listing	UL certifies, validates, tests, inspects and audits. The UL Mark is the most common Certification Mark in the United States and Europe. If a product carries one of these mark, it means UL found that the representative product samples met UL's requirements.
EN 1366-3, EN 1366-4	Fire Resistance tests for service installations. Penetration seals. Fire Resistance tests for service installations. Linear joint seals.
EN 13501-1, EN 13501-2	Reaction to Fire Classification. Resistance to Fire Classification.

INSU-ROPE



Material : Rock Wool Insulation Ropes

Installation characteristics : Compress in joint width.

Technical Specification : Complete range of Insu-Rope products is certified by SIST EN 13501-2:2008+A1:2009 with 4-hours fire resistance rating, vertical and horizontal application. which was achieved in SIS EN 1366-4:2006 test for both

"Insu-Rope rock wool insulation ropes with different diameters and for different purposes. Insulation ropes are flexible enough to enable easy installation in less accessible parts of constructions." For fire and thermal protection of construction expansion joints we use Insu-Ropes of different diameters. In case of fire this insulation solution slows down the spread of fire, fume and toxic gases, and consequentially provides more time to evacuate people. Rock wool insulation ropes also contribute to maintain appropriate microclimate in buildings; "its vapour permeability protects buildings from humidity."

INSU-ROPE

Specification

Model	Joint Width (mm.)	Product Diameter (mm.)	Fire-Rated (Hr.)
Insu-Rope/10	10	12	4
Insu-Rope/15	15	20	4
Insu-Rope/20	20	30	4
Insu-Rope/25	25	40	4
Insu-Rope/30	30	50	4
Insu-Rope/40	40	60	4
Insu-Rope/50	50	70	4
Insu-Rope/80	80	100	4
Insu-Rope/100	100	120	4
Insu-Rope/150	150	180	4
Insu-Rope/200	200	2 pcs x 120	4

Tested and certified by SIST EN 13501-2:2008+A1:2009

INSU-ROPE Rock Wool Insulation Rope.

Fire Protection	Working temperature :	< 750 °C
	Melting Point	> 1000 °C
	Range of Burn - Retardant	A1
Lower Thermal Losses	Demands for Fire safety	Extraordinary
	Thermic Conductance	0.035 W/mK-0.040W/mK
	Sound Protection	Meets High Requirements



FIRE BARRIER

INTUSPAN

Specification

Model	Joint Width (mm.)	Material Size (mm.)	Fire-Rated (Hr.)
Intuspan/25	25	25 x 25	2
Intuspan/50	50	50 x 50	2
Intuspan/75	75	75 x 50	2
Intuspan/100	100	100 x 100	2
Intuspan/150	150	150 x 100	2

Technical Feature

- Can accommodate regular cycles of high or low amplitude movement.
- Unaffected by moisture
- Easy to install using finger pressure even in uneven gaps.
- A dry system.
- For vertical or horizontal wall applications.
- Tested to BS EN 1366-4
- Tested to BS 476 Pt 22
- Provide 2 hours fire stability and integrity

Description : Intuspan is a very pliable joint filler, black in colour and factory applied with a revolutionary 102 times volume expansion intumescent compound. A sandwich of intumescent board, consisting of a modified rubber base filled with graphite and combustion modified foam. Provides a high level of movement suitable for gaps up to 100 mm. Provides 2 hour protection. No adhesive required.



RWS / RWS2

Specification

Model	Joint Width (mm.)	Movement Capacity (mm.)	Fire-Rated (Hr.)	
RWS/25	25	± 12.50	2	Floor
RWS2/25	25	± 12.50	2	Wall
RWS/50	50	± 25	2	Floor
RWS2/50	50	± 25	2	Wall

Tested and certified by UL 2079

Material : Mineral wool & Fire sealant

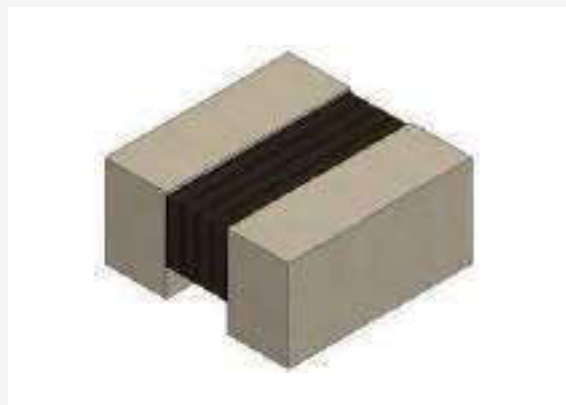
Technical Feature :

- Floor / Wall Application.
- 1" - 2" Joint width.
- Mineral Wool & Fire sealant
- Class II & III Dynamic Movement Capabilities with 25% movement.
- Meet ASTM E1399, UL1479 (ASTM E814), UL723 (ASTM E84)
- Ubearing UL Classification Mark
- UL 2079 Classified

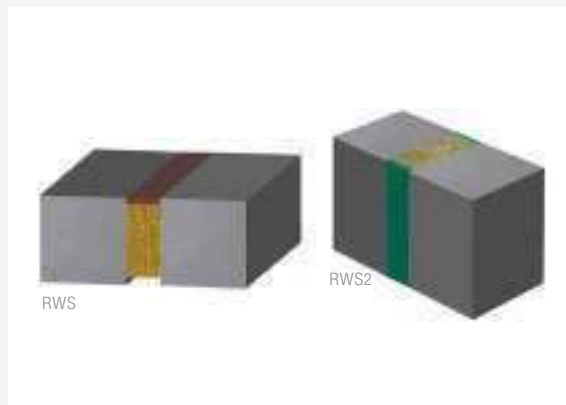
TREMstop Silicone is a neutral cure silicone firestopping sealant. This elastomeric high performance sealant is capable of plus or minus 25 percent movement in a fire-rated joint. TREMstop Silicone is available in self-leveling (SL) or non-sag gun grade (GG) for ASTM E-814 through penetrations



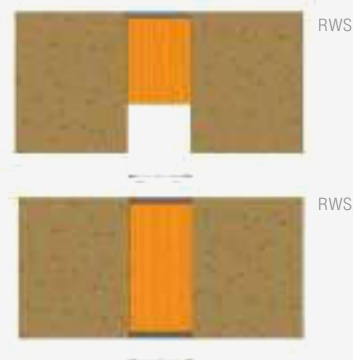
INTUSPAN



RWS / RWS2



Drawing





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