

building movement solutions



VEXCOLT

building movement solutions



CENTRE PLATE EXPANSION JOINTS FOR HIGHER LOAD FLOORS,
WALLS & CEILINGS, ROOFS & PARAPETS

megatec range



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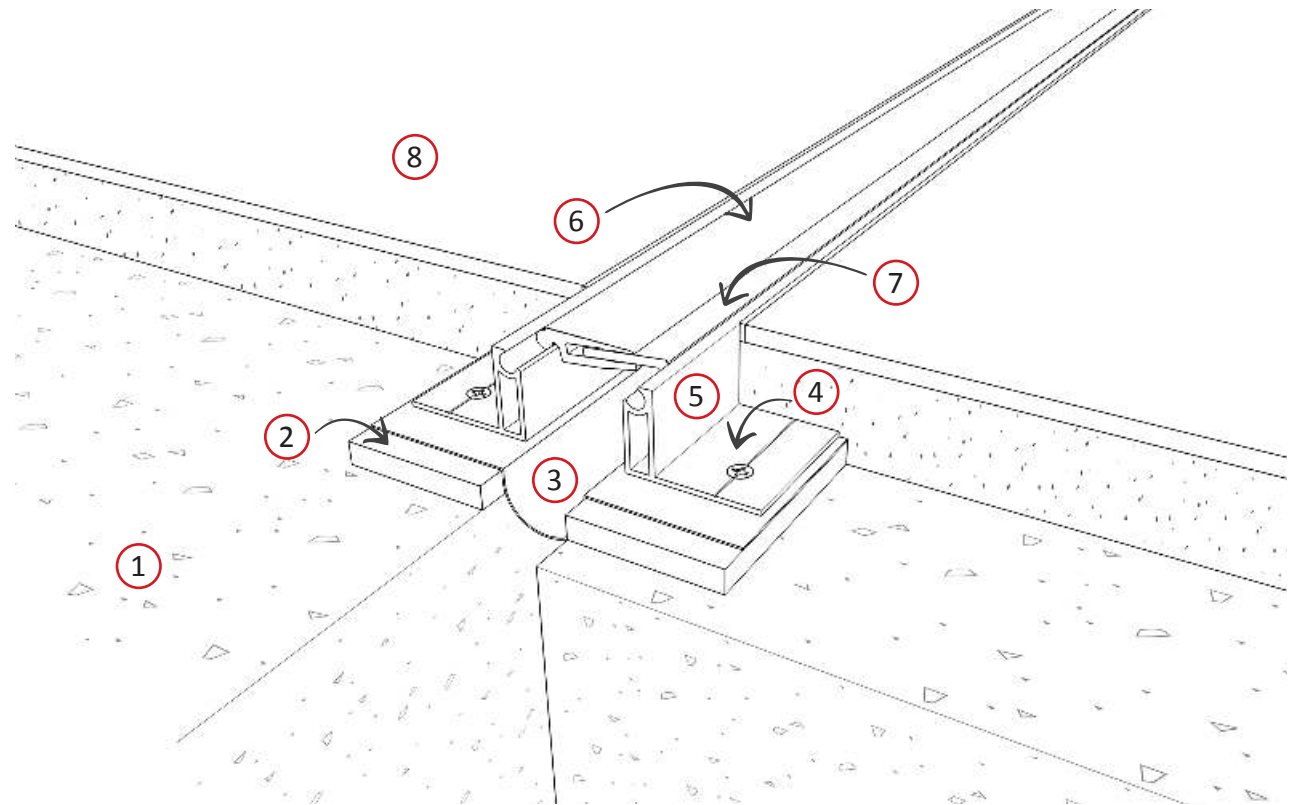


megatec

centre plate expansion joints for higher load floors

Typical Components

- (1) Concrete slab
- (2) High strength (>40N) levelling bed (by others)
- (3) Optional 1.14mm thick Vexcolt EPDM membrane or torch applied waterproofing membrane (by others)
- (4) M6 x 75mm galvanise dipped, carbon steel, self-tapping concrete screws
- (5) Continuous 6063 aluminium floor frame
- (6) Continuous 6063 aluminium female central load plate
- (7) Continuous 6063 aluminium male central load plate
- (8) Finishes/wearing surfaces



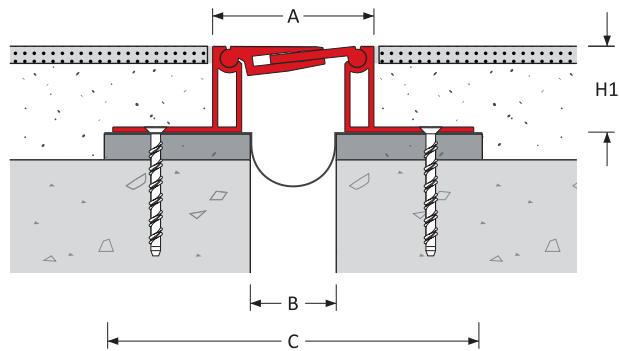
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

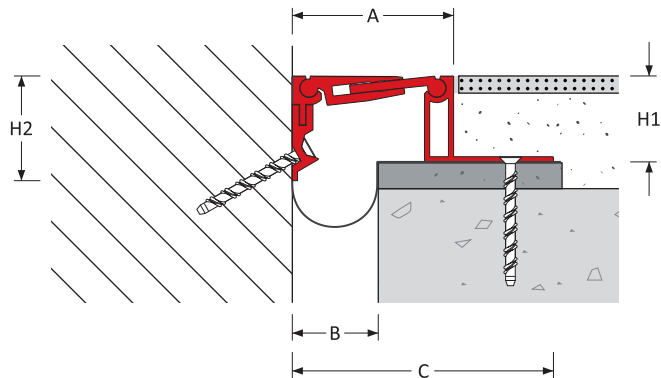
25 - 125 mm (1 - 5") Expansion Gaps

Megatec 300 : A01-A02

Megatec 300 : A01



Megatec 300 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]					Height H1 (mm)	Height H2 (mm)			
Floor - Floor	25	± 5	[10]	10 kN	69 kN	30 kN	300 kN	25: 35: 50: 75	-	69	185	300-A01-025-(H1)
	50	± 10	[20]							94	210	300-A01-050-(H1)
	75	± 15	[30]							119	235	300-A01-075-(H1)
	100	± 20	[40]							144	260	300-A01-100-(H1)
	125	± 30	[60]							169	285	300-A01-125-(H1)
Floor - Wall	25	± 5	[10]	10 kN	69 kN	30 kN	300 kN	25: 35: 50: 75	61	69	127	300-A02-025-(H1)
	50	± 10	[20]							94	152	300-A02-050-(H1)
	75	± 15	[30]							119	177	300-A02-075-(H1)
	100	± 20	[40]							144	202	300-A02-100-(H1)
	125	± 30	[60]							169	227	300-A02-125-(H1)

When specifying or ordering please add the **height (H1)** required to the Product Reference.
For example Megatec 300 : A01-075-050 denotes a joint 50mm high.

Features

Surface

Smooth transit
Hairline serrated surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant across the entire movement cycle

Movement

High movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 1,000	≤ 1,000	≤ 10

System Options

Gap width(s)	25, 50, 75, 100, 125 mm
Height(s)	25, 35, 50, 75 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 125 mm (1 - 5") Expansion Gaps

Megatec 300 : A01-A02



APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
Factories | Hospitals | Museums | Offices & Hotels
Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets

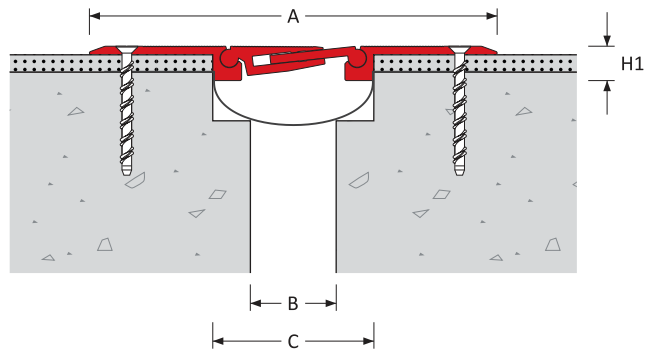
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

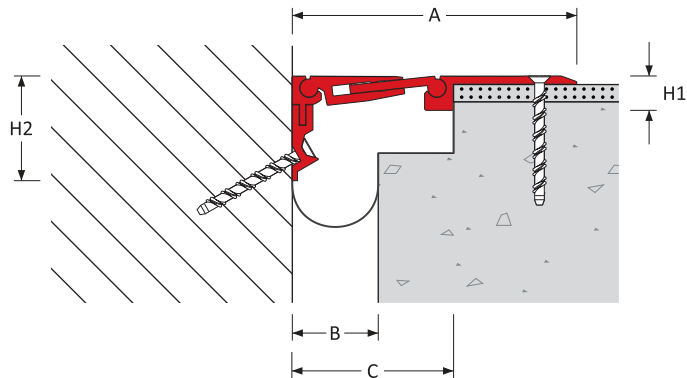
25 - 125 mm (1 - 5") Expansion Gaps

Megatec 320 : A01-A02

Megatec 320 : A01



Megatec 320 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm) ± [Total]		Eurocode Rating				Product Dimensions				Product Number
								Height H1 (mm) H2 (mm)		Sightline A (mm)	Blockout C (mm)	
Floor - Floor	25	± 5	[10]	10 kN	69 kN	30 kN	300 kN	15	-	213	69	320-A01-025
	50	± 10	[20]							235	94	320-A01-050
	75	± 15	[30]							263	119	320-A01-075
	100	± 20	[40]	5 kN	46 kN	120 kN	288			144	320-A01-100	
	125	± 30	[60]				313			169	320-A01-125	
Floor - Wall	25	± 5	[10]	10 kN	69 kN	30 kN	300 kN	15	61	140	69	320-A02-025
	50	± 10	[20]							166	94	320-A02-050
	75	± 15	[30]							190	119	320-A02-075
	100	± 20	[40]	5 kN	46 kN	120 kN	216			144	320-A02-100	
	125	± 30	[60]				241			169	320-A02-125	

Features

Surface

Smooth transit
Hairline serrated surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

High movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 1,000	≤ 1,000	≤ 10

System Options

Gap width(s)	25, 50, 75, 100, 125 mm
Height(s)	15 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

Megatec 320 : A01-A02



APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
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Parking | Places of Worship | Residential Buildings
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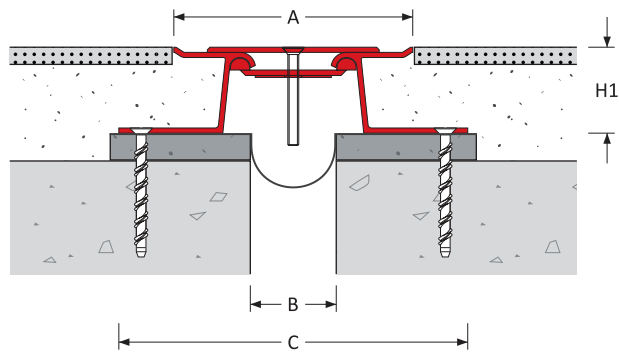
METAL EXPANSION JOINT

Floor to Floor

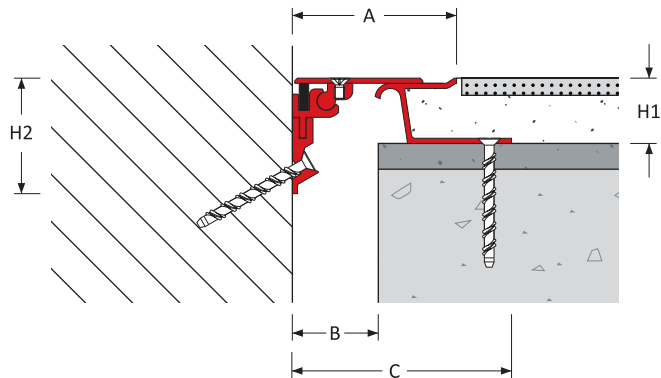
25 - 50 mm (1 - 5") Expansion Gaps

Megatec 330 : S01-S02

Megatec 330 : S01



Megatec 330 : S02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
								Height H1 (mm)	H2 (mm)			
Floor - Floor	25	± 12	[25]	2 kN	31 kN	-	-	25: 38: 50	-	127	191	330-S01-025-(H1)
	50	± 25	[50]	-	-	-	-	-	-	139	203	330-S01-050-(H1)
Floor - Wall	25	± 6	[12]	-	-	-	-	25: 28: 50	67	90	122	330-S02-025-(H1)
	50	± 12	[25]	-	-	-	-	-	-	96	128	330-S02-050-(H1)

When specifying or ordering please add the **height (H1)** required to the Product Reference.
For example Megatec 330 : S01-050-038 denotes a joint 38mm high.

Features

Surface

80-grit surface finish to stainless steel for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

High movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
≤ 10,000	≤ 100	≤ 10	-	-

System Options

Gap width(s)	25, 50 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt


Megatec 330 : S01-S02


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Shopping Centres | Sports Stadiums | Supermarkets

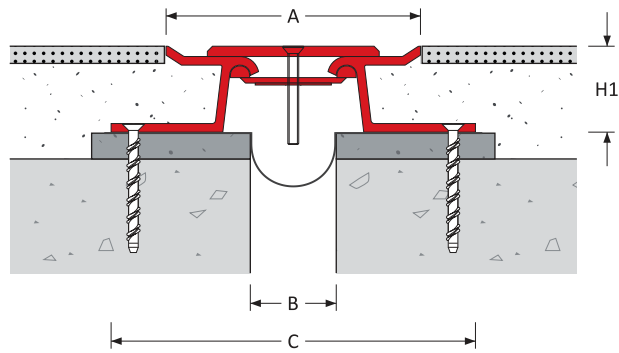
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

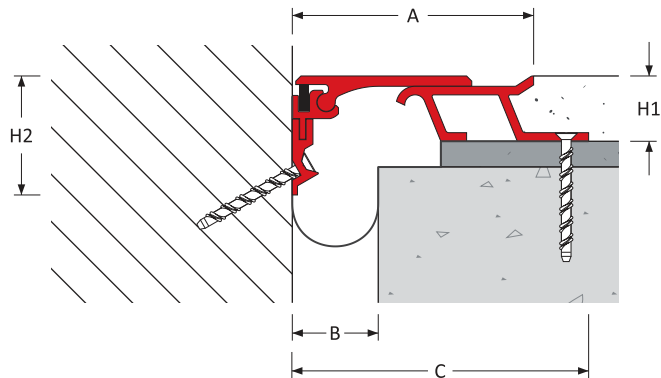
25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : A01-A02

Megatec 340 : A01



Megatec 340 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height		Sightline	Blockout	
								H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	25	± 12	[25]	10 kN	150 kN	30 kN	-	25: 38: 50	-	126	190	340-A01-025-(H1)
	50	± 25	[50]	5 kN	46 kN					139	203	340-A01-050-(H1)
	75	± 37	[75]	2 kN	31 kN					187	242	340-A01-075-(H1)
	100	± 50	[100]	-	-	-				216	280	340-A01-100-(H1)
	150	± 75	[150]							308	372	340-A01-150-(H1)
	200	± 100	[200]							408	472	340-A01-200-(H1)
	250	± 125	[250]							522	586	340-A01-250-(H1)
	300	± 150	[300]	622	686	340-A01-300-(H1)						
Floor - Wall	25	± 12	[25]	10 kN	150 kN	30 kN	-	25: 38: 50	70	118	150	340-A02-025-(H1)
	50	± 25	[50]	5 kN	46 kN					141	173	340-A02-050-(H1)
	75	± 37	[75]	2 kN	31 kN					188	220	340-A02-075-(H1)
	100	± 50	[100]	-	-	-				226	258	340-A02-100-(H1)
	150	± 75	[150]							298	330	340-A02-150-(H1)
	200	± 100	[200]							373	405	340-A02-200-(H1)
	250	± 125	[250]							448	480	340-A02-250-(H1)
	300	± 150	[300]	523	555	340-A02-300-(H1)						

When specifying or ordering please add the **height (H1)** required to the Product Reference.
For example Megatec 340 : A01-075-050 denotes a joint 50mm high.

Features

Surface

Hairline serrated surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Seismic movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind
Class III: Seismic

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 100	≤ 100	-

System Options

Gap width(s)	25, 50, 75, 100, 150, 200, 250, 300 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : A01-A02



APPLICATIONS

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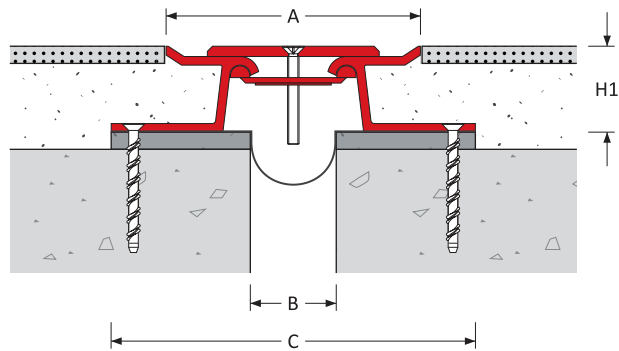
METAL EXPANSION JOINT

Floor to Floor

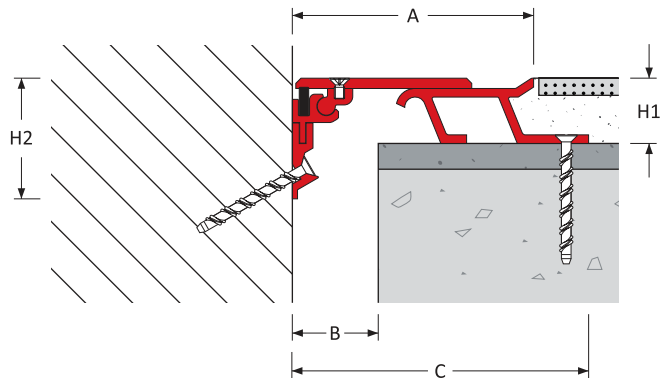
25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : S01-S02

Megatec 340 : S01



Megatec 340 : S02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height		Sightline	Blockout	
								H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	25	± 12	[25]	20 kN	190 kN	30 kN	300 kN	25: 38: 50	-	126	190	340-S01-025-(H1)
	50	± 25	[50]	10 kN	100 kN		200 kN			139	203	340-S01-050-(H1)
	75	± 37	[75]		46 kN					187	242	340-S01-075-(H1)
	100	± 50	[100]	5 kN	31 kN		120 kN			216	280	340-S01-100-(H1)
	150	± 75	[150]		-		-			308	372	340-S01-150-(H1)
	200	± 100	[200]							408	472	340-S01-200-(H1)
	250	± 125	[250]	522						586	340-S01-250-(H1)	
	300	± 150	[300]	-						-	622	686
Floor - Wall	25	± 12	[25]	20 kN	190 kN	30 kN	300 kN	25: 38: 50	70	118	150	340-S02-025-(H1)
	50	± 25	[50]	10 kN	100 kN		200 kN			141	173	340-S02-050-(H1)
	75	± 37	[75]		46 kN					188	220	340-S02-075-(H1)
	100	± 50	[100]	5 kN	31 kN		120 kN			226	258	340-S02-100-(H1)
	150	± 75	[150]		-		-			298	330	340-S02-150-(H1)
	200	± 100	[200]							373	405	340-S02-200-(H1)
	250	± 125	[250]	448						480	340-S02-250-(H1)	
	300	± 150	[300]	-						-	523	555

When specifying or ordering please add the **height (H1)** required to the Product Reference.
For example Megatec 340 : S01-100-038 denotes a joint 38mm high.

Features

Surface

80-grit surface finish to stainless steel for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Seismic movement capacity

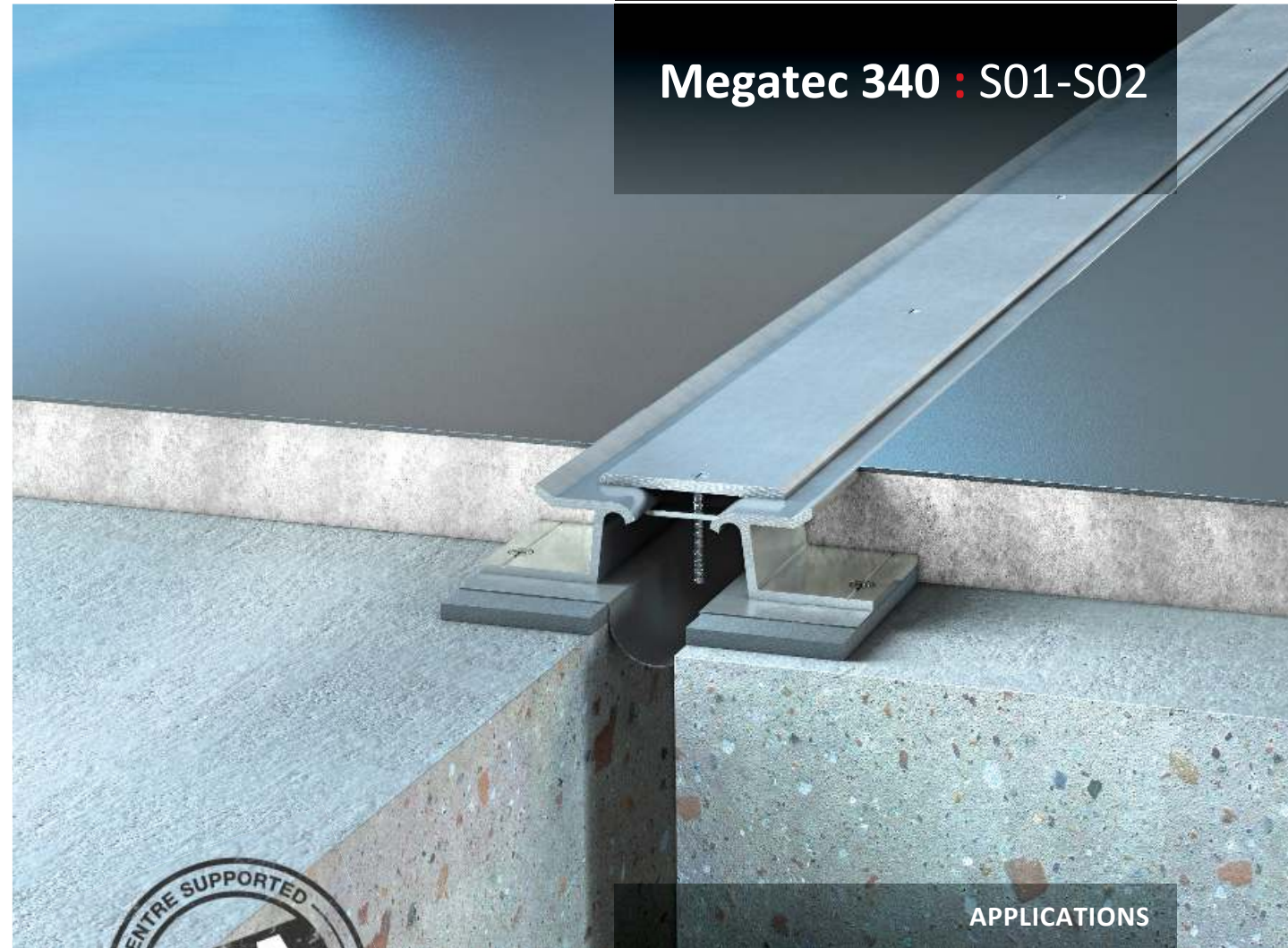
ASTM E-1399 Class I: Thermal
Class II: Wind
Class III: Seismic

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 1,000	≤ 1,000	≤ 100

System Options

Gap width(s)	25, 50, 75, 100, 150, 200, 250, 300 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt


Megatec 340 : S01-S02


APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
Factories | Hospitals | Museums | Offices & Hotels
Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets

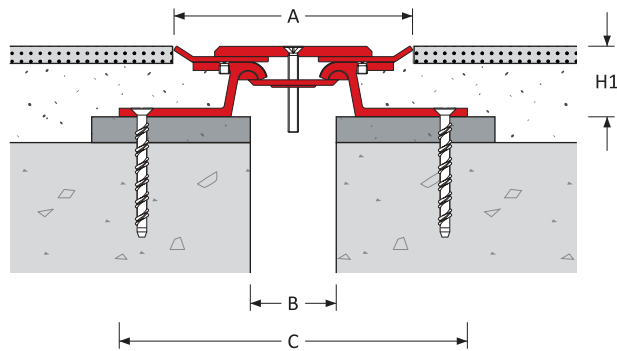
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

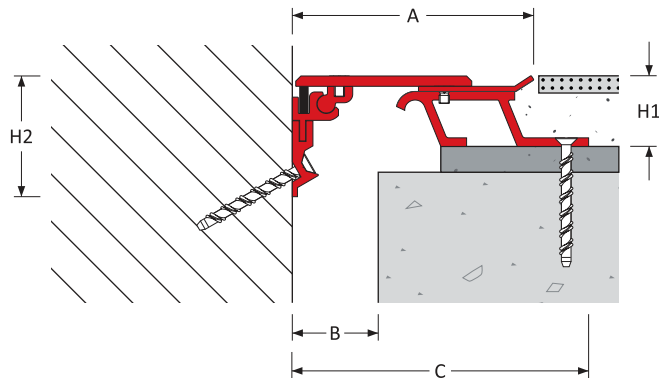
25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : SS01-SS02

Megatec 340 : SS01



Megatec 340 : SS02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
								Height		Sightline	Blockout	
		±	[Total]					H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	25	± 12	[25]	20 kN	190 kN			28: 41: 53	-	126	190	340-SS01-025-(H1)
	50	± 25	[50]	10 kN	100 kN		300 kN			139	203	340-SS01-050-(H1)
	75	± 37	[75]		46 kN		200 kN			187	242	340-SS01-075-(H1)
	100	± 50	[100]		31 kN		120 kN			216	280	340-SS01-100-(H1)
	150	± 75	[150]	5 kN						308	372	340-SS01-150-(H1)
	200	± 100	[200]							408	472	340-SS01-200-(H1)
	250	± 125	[250]		-		-			522	586	340-SS01-250-(H1)
	300	± 150	[300]	-			-			622	686	340-SS01-300-(H1)
Floor - Wall	25	± 12	[25]	20 kN	190 kN			28: 41: 53	70	118	150	340-SS02-025-(H1)
	50	± 25	[50]	10 kN	100 kN		300 kN			141	173	340-SS02-050-(H1)
	75	± 37	[75]		46 kN		200 kN			188	220	340-SS02-075-(H1)
	100	± 50	[100]		31 kN		120 kN			226	258	340-SS02-100-(H1)
	150	± 75	[150]	5 kN						298	330	340-SS02-150-(H1)
	200	± 100	[200]							373	405	340-SS02-200-(H1)
	250	± 125	[250]		-		-			448	480	340-SS02-250-(H1)
	300	± 150	[300]	-			-			523	555	340-SS02-300-(H1)

When specifying or ordering please add the **height (H1)** required to the Product Reference.
For example Megatec 340 : SS1-100-041 denotes a joint 41mm high.

Features

Surface

Smooth transit
80-grit surface finish to stainless steel
for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Seismic movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind
Class III: Seismic

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 1,000	≤ 1,000	≤ 100

System Options

Gap width(s)	25, 50, 75, 100, 150, 200, 250, 300 mm
Height(s)	28, 41, 53 mm
Metal type(s):	<i>Top Plates:</i> 304-grade Stainless Steel Optional 316-grade
	<i>Sub-structure:</i> 6063 T5 & 6063 T6 aluminium
Colour(s)	None
Fire barrier	120-240 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : SS01-SS02



APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
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Shopping Centres | Sports Stadiums | Supermarkets

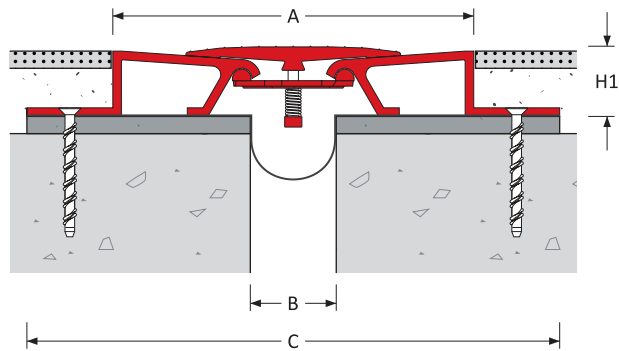
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

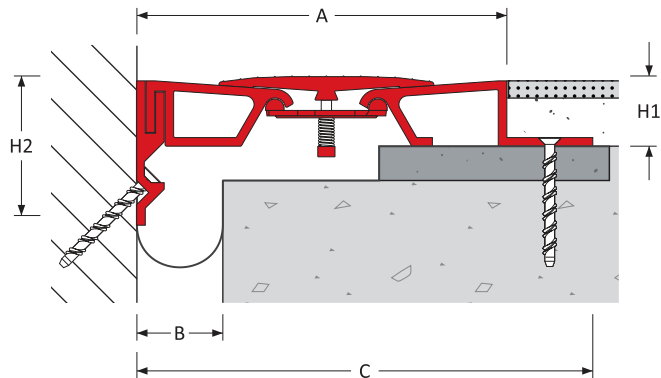
50 - 150 mm (2 - 6") Expansion Gaps

Megatec 350 : A01-A02

Megatec 350 : A01



Megatec 350 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm) ± [Total]		Eurocode Rating				Product Dimensions				Product Number
								Height H1 (mm) H2 (mm)		Sightline A (mm)	Blockout C (mm)	
Floor - Floor	50	± 25	[50]	20 kN	100 kN	30 kN	630 kN	38	-	210	310	350-A01-050
	75	± 37	[75]							225	325	350-A01-075
	100	± 50	[100]	10 kN	69 kN	300 kN	277			378	350-A01-100	
	150	± 75	[150]				392			492	350-A01-150	
Floor - Wall	50	± 25	[50]	20 kN	100 kN	30 kN	630 kN	38	84	216	266	350-A02-050
	75	± 37	[75]							231	281	350-A02-075
	100	± 50	[100]	10 kN	69 kN	300 kN	296			346	350-A02-100	
	150	± 75	[150]				386			436	350-A02-150	

Features

Surface

Smooth transit
Hairline serrated surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant across the entire movement cycle

Movement

Seismic movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind
Class III: Seismic

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 1,000	≤ 1,000	≤ 100

System Options

Gap width(s)	50, 75, 100, 150 mm
Height(s)	38 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
50 - 150 mm (2 - 6") Expansion Gaps

Megatec 350 : A01-A02



APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
Factories | Hospitals | Museums | Offices & Hotels
Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets

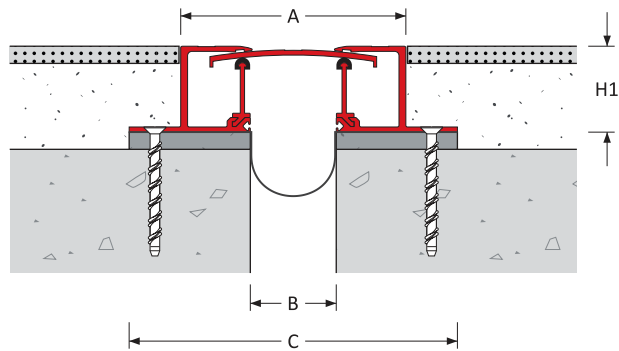
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

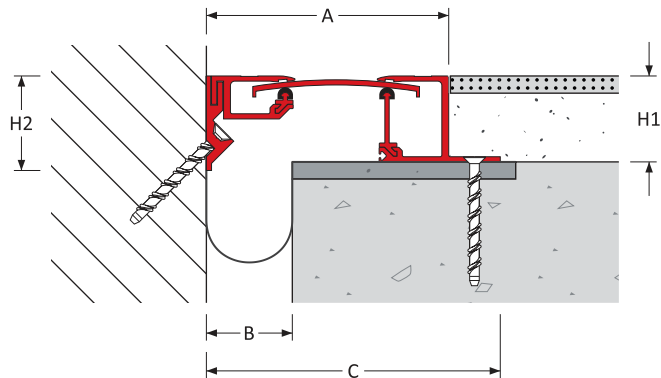
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 360 : A01-A02

Megatec 360 : A01



Megatec 360 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height		Sightline A (mm)	Blockout C (mm)	
Floor - Floor	25	± 12	[25]	2 kN	31 kN	-	-	25: 38: 50	-	81	141	360-A01-025-(H1)
	50	± 25	[50]	-	-	-	-			131	191	360-A01-050-(H1)
Floor - Wall	25	± 12	[25]	2 kN	31 kN	-	-	25: 38: 50	55	91	121	360-A02-025-(H1)
	50	± 25	[50]	-	-	-	-			141	171	360-A02-050-(H1)

When specifying or ordering please add the height (H1) required to the Product Reference.
For example 360-A01-025-050 denotes a joint 50mm high.

Features

Surface

Smooth transit
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Good movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
≤ 5,000	≤ 10	-	-	-

System Options

Gap width(s)	25, 50 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 360 : A01-A02



APPLICATIONS

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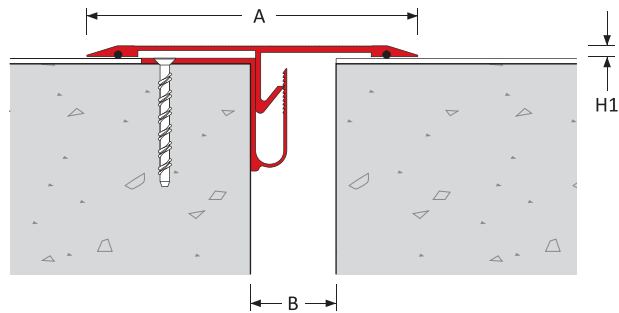
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

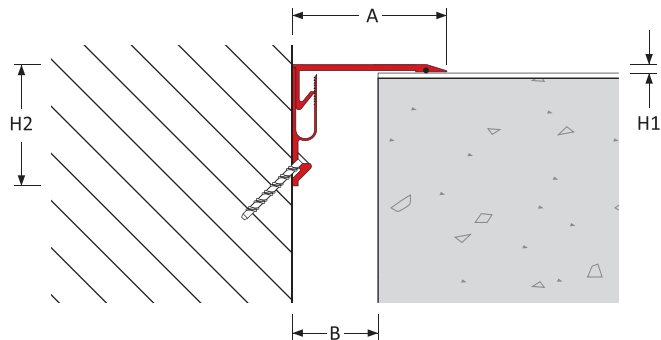
25 - 150 mm (2 - 6") Expansion Gaps

Megatec 370 : A01-A02

Megatec 370 : A01



Megatec 370 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)			Eurocode Rating				Product Dimensions				Product Number
									Height		Sightline	Blockout	
		±	[Total]						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	25	± 12	[25]	5 kN	31 kN	30 kN	-		6	-	157	-	370-A01-025-(H1)
	50	± 25	[50]								193		370-A01-050-(H1)
	75	± 37	[75]								231		370-A01-075-(H1)
	100	± 50	[100]								268		370-A01-100-(H1)
	150	± 75	[150]								343		370-A01-150-(H1)
Floor - Wall	25	± 12	[25]	5 kN	31 kN	30 kN	-		6	38	62	-	370-A02-025-(H1)
	50	± 25	[50]								98		370-A02-050-(H1)
	75	± 37	[75]							106	135		370-A02-075-(H1)
	100	± 50	[100]								173		370-A02-100-(H1)
	150	± 75	[150]								248		370-A02-150-(H1)

Features

Surface

Hairline serrated surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

High movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
≤ 10,000	≤ 10	≤ 10	-	-

System Options

Gap width(s)	25, 50, 75, 100, 150 mm
Height(s)	6 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

Megatec 370 : A01-A02

APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
Factories | Hospitals | Museums | Offices & Hotels
Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets



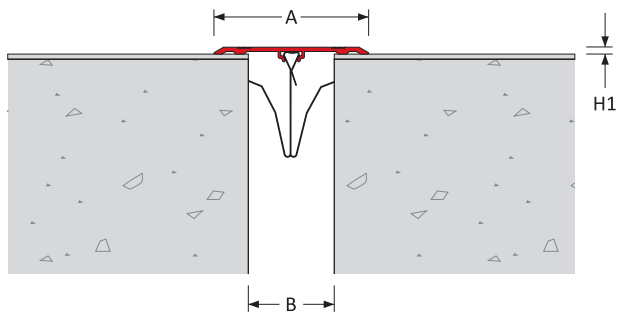
METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

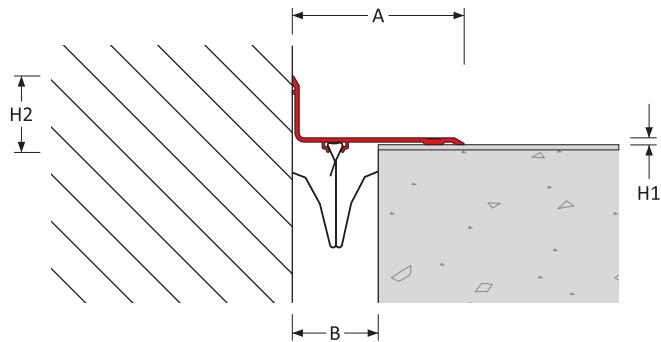
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 380 : A01-A02

Megatec 380 : A01



Megatec 380 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]					H1 (mm)	H2 (mm)			
Floor - Floor	25	± 12	[25]	-	-	-	-	4	-	60	-	380-A01-025
	50	± 25	[50]	-	-	-	-	4	-	90	-	380-A01-050
Floor - Wall	25	± 12	[25]	-	-	-	-	4	40	50	-	380-A02-025
	50	± 25	[50]	-	-	-	-	4	40	100	-	380-A02-050

Features

Surface

Americans with Disabilities Act (ADA) compliant across the entire movement cycle

Movement

Good movement capacity

ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
≤ 5,000	-	-	-	-

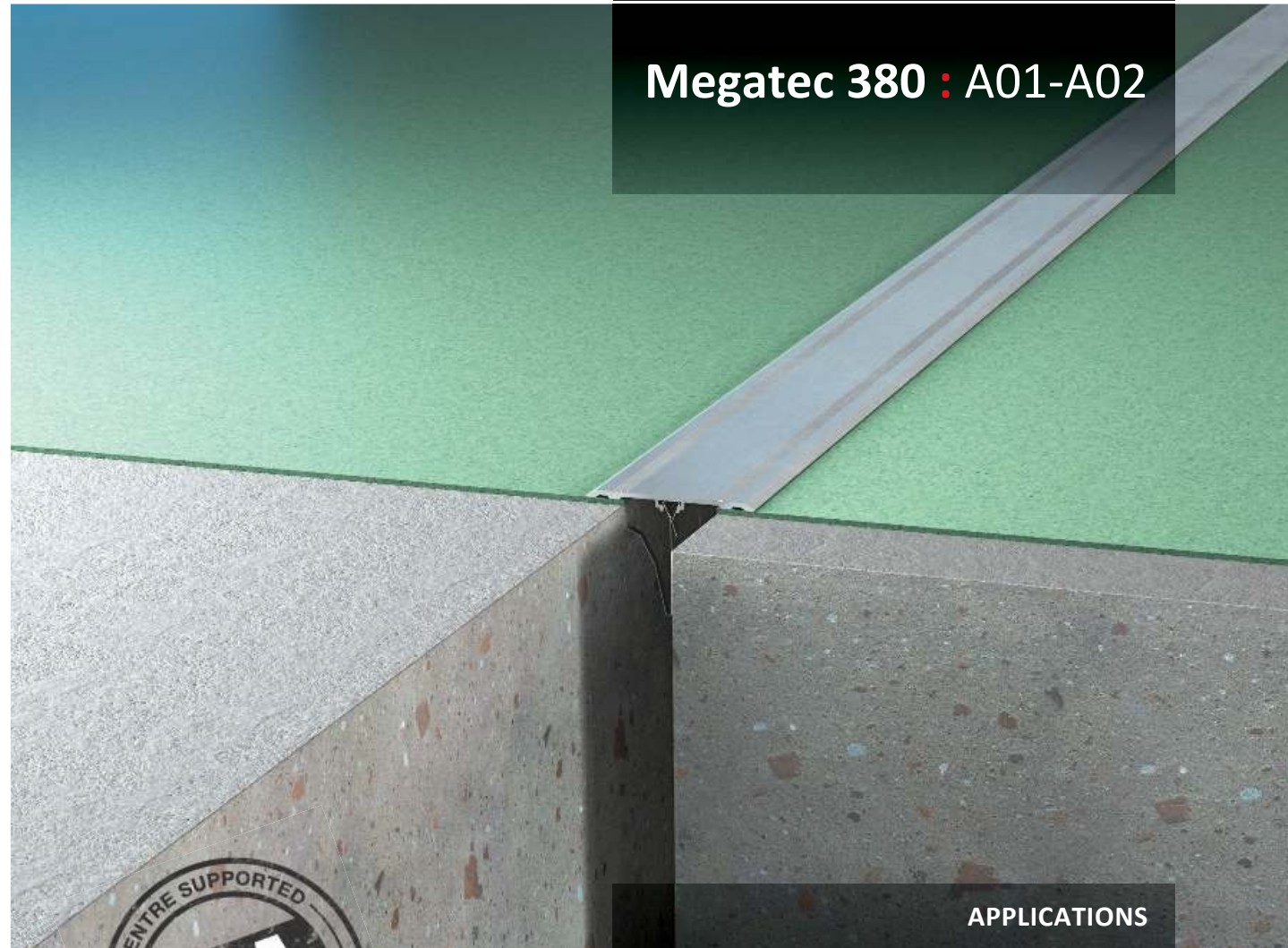
System Options

Gap width(s)	25, 50 mm
Height(s)	4 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

Megatec 380 : A01-A02

APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
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Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets



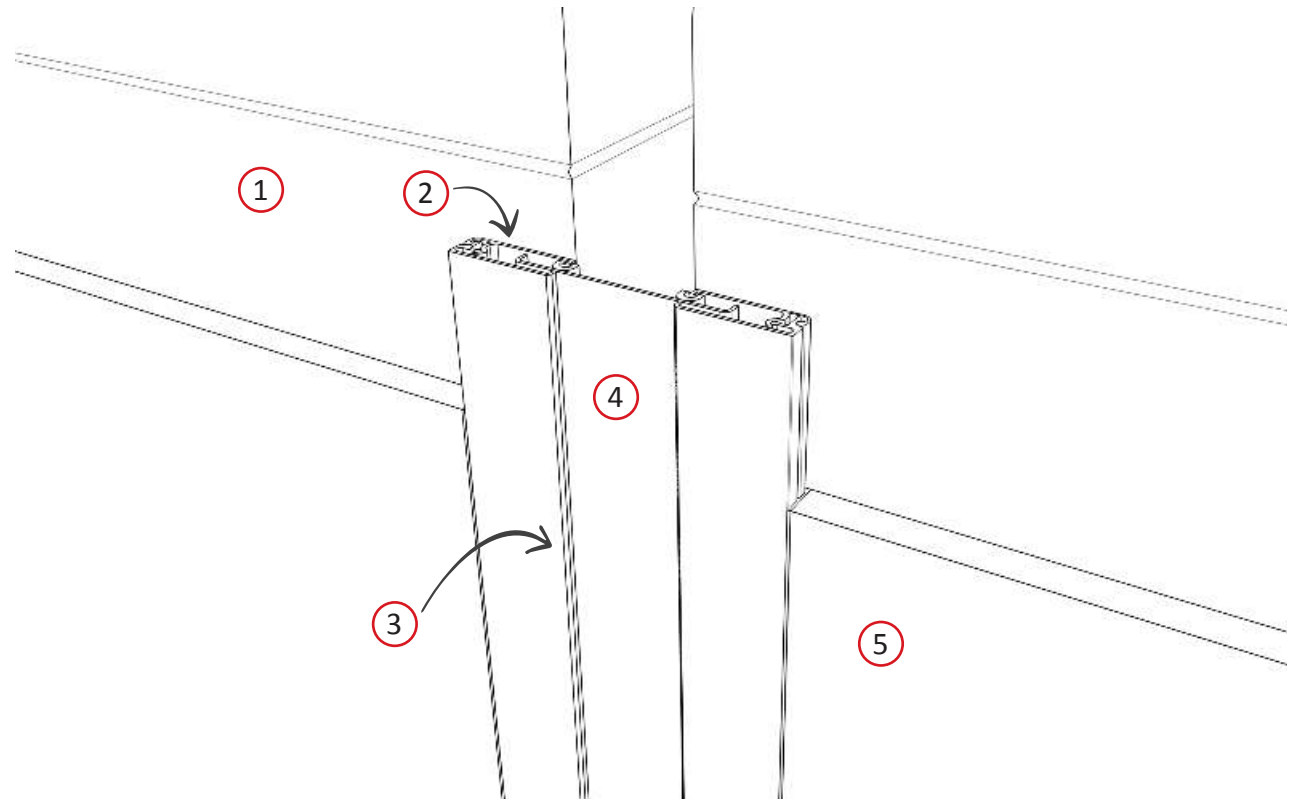


megatec

centre plate expansion joints for walls and ceilings

Typical Components

- (1) Wall
- (2) Continuous 6063 aluminium base frame
- (3) Continuous 6063 20 micron clear satin anodised aluminium top frame
- (4) Continuous 6063 20 micron clear satin anodised aluminium centre plate
- (5) Finishes

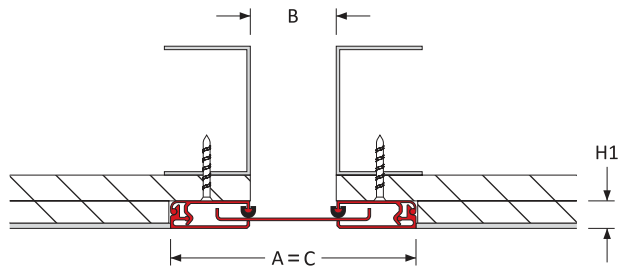


METAL EXPANSION JOINT

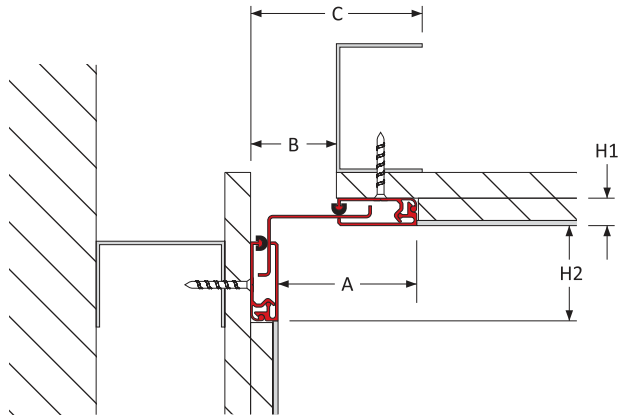
Wall to Wall | Corner & Ceiling to Wall
25 - 200 mm (1 - 8") Expansion Gaps

Megatec 360 : A07-A09

Megatec 360 : A07



Megatec 360 : A09



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]					H1 (mm)	H2 (mm)			
Wall - Wall	25	± 12	[25]	-	-	-	-	16	-	118	-	360-A07-025
	50	± 25	[50]							143		360-A07-050
	75	± 37	[75]							197		360-A07-075
	100	± 50	[100]							246		360-A07-100
	150	± 75	[150]							347		360-A07-150
	200	± 100	[200]							448		360-A07-200
Corner Wall Wall - Ceiling	25	± 6	[12]	-	-	-	-	16	72	56	72	360-A09-025
	50	± 12	[25]							81	97	360-A09-050
	75	± 19	[37]							121	137	360-A09-075
	100	± 25	[50]							158	174	360-A09-100
	150	± 37	[75]							234	250	360-A09-150
	200	± 50	[100]							310	326	360-A09-200

Features

Surface

No visible fixings

Movement

High movement capacity

Seismic movement capacity

ASTM E-1399 Class I: Thermal

Class II: Wind

Class III: Seismic

Traffic Frequency per day

				
-	-	-	-	-

System Options

Gap width(s)	25, 50, 75, 100, 150, 200 mm
Height(s)	16 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	20/25 micron clear satin anodised finish Aluminium
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
25 - 200 mm (1 - 8") Expansion Gaps

Megatec 360 : A07-A09

APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
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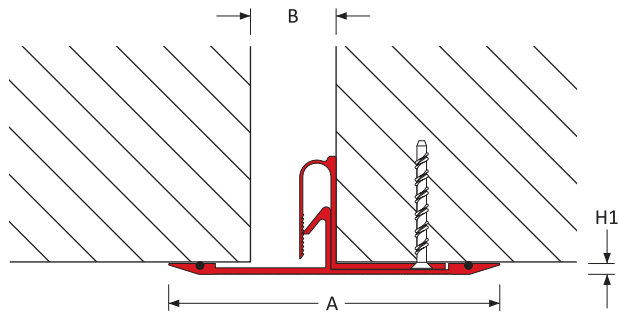
METAL EXPANSION JOINT

Wall to Wall | Corner Wall

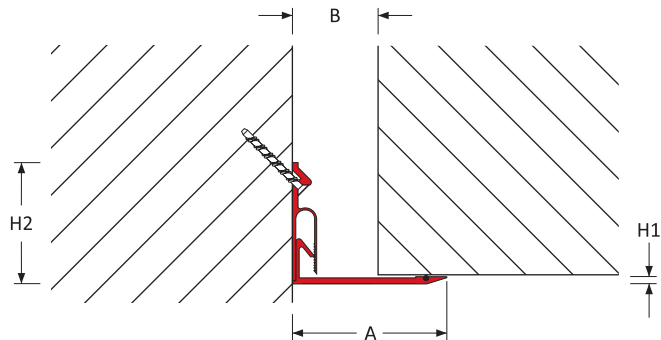
25 - 200 mm (2 - 6") Expansion Gaps

Megatec 370 : A07-A09

Megatec 370 : A07



Megatec 370 : A09



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]					H1 (mm)	H2 (mm)			
Wall - Wall	25	± 12	[25]	-	-	-	-	6	-	157	-	370-A07-025-(H1)
	50	± 25	[50]							193		370-A07-050-(H1)
	75	± 37	[75]							231		370-A07-075-(H1)
	100	± 50	[100]							268		370-A07-100-(H1)
	150	± 75	[150]							343		370-A07-150-(H1)
	200	± 100	[200]							450		370-A07-200-(H1)
Corner Wall	25	± 12	[25]	-	-	-	-	6	38	62	-	370-A09-025-(H1)
	50	± 25	[50]						106	98		370-A09-050-(H1)
	75	± 37	[75]							135		370-A09-075-(H1)
	100	± 50	[100]							173		370-A09-100-(H1)
	150	± 75	[150]							248		370-A09-150-(H1)
	200	± 75	[200]							325		370-A09-200-(H1)

Features

Surface

Raised surface
No visible fixings

Movement

High movement capacity
 ASTM E-1399 Class I: Thermal
 Class II: Wind

Traffic Frequency per day

				
-	-	-	-	-

System Options

Gap width(s)	25, 50, 75, 100, 150, 200 mm
Height(s)	6 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	20/25 micron clear satin anodised finish Aluminium
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

Megatec 370 : A07-A09

APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
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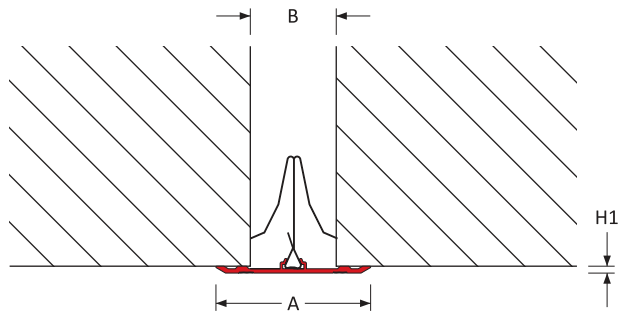
METAL EXPANSION JOINT

Wall to Wall | Corner Wall

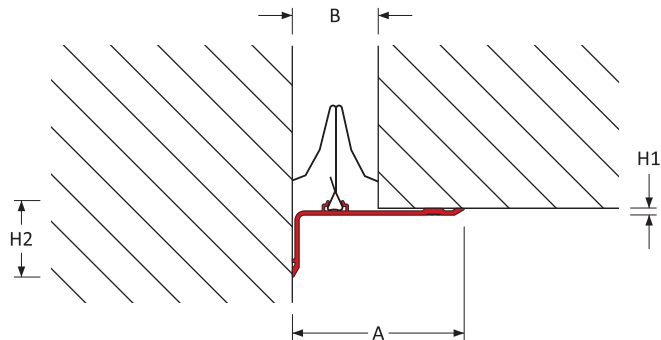
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 380 : A07-A09

Megatec 380 : A07



Megatec 380 : A09



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height H1 (mm)	H2 (mm)	Sightline A (mm)	Blockout C (mm)	
Wall - Wall	25	± 12	[25]	-	-	-	-	4	-	60	-	380-A07-025
	50	± 25	[50]	-	-	-	-	4	-	90	-	380-A07-050
Corner Wall	25	± 12	[25]	-	-	-	-	4	40	50	-	380-A09-025
	50	± 25	[50]	-	-	-	-	4	40	100	-	380-A09-050

Features

Surface

Raised surface
No visible fixings

Movement

Good movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
-	-	-	-	-

System Options

Gap width(s)	25, 50 mm
Height(s)	4 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	20/25 micron clear satin anodised finish Aluminium
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

METAL EXPANSION JOINT

Wall to Wall | Corner Wall
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 380 : A07-A09

APPLICATIONS

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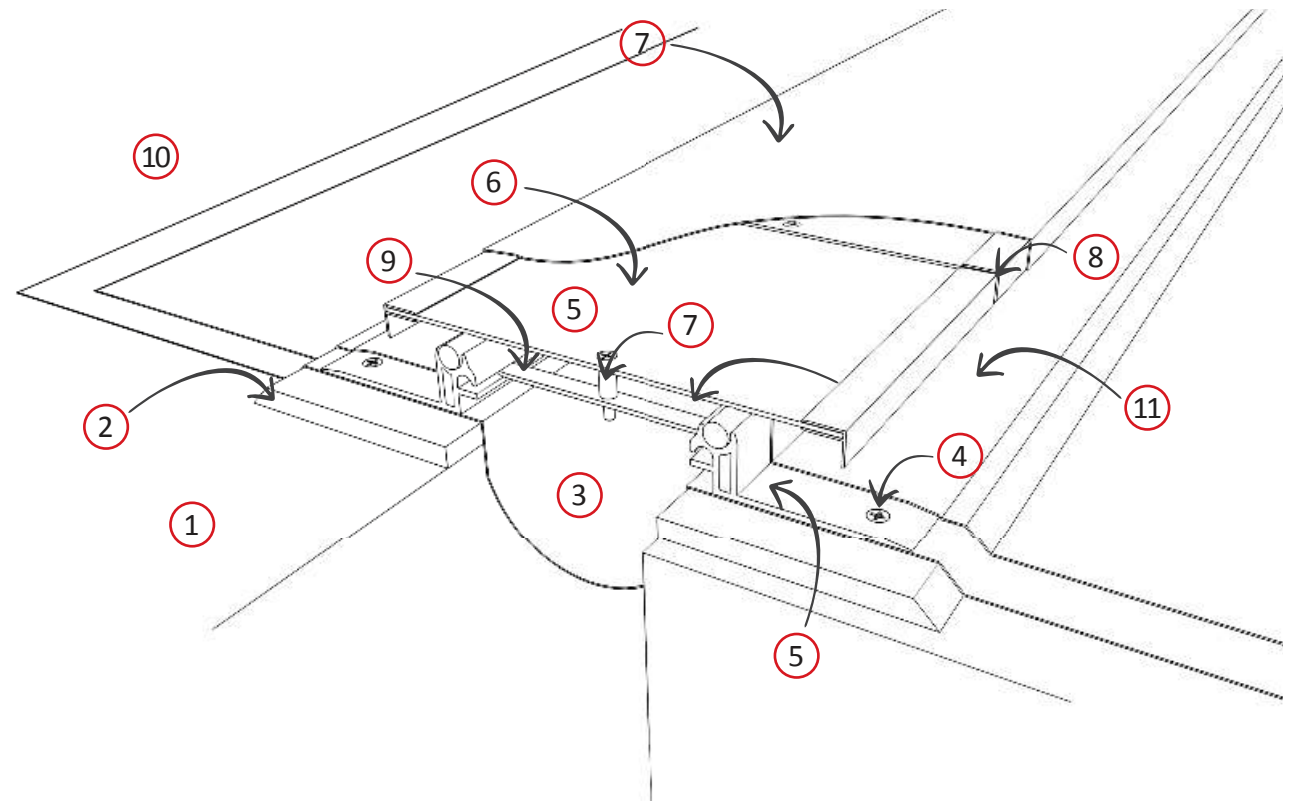


megatec

centre plate expansion joints for roofs and parapets

Typical Components

- (1) Roof deck
- (2) Raised bed
- (3) Optional 1.14mm thick Vexcolt EPDM membrane or torch applied waterproofing membrane (by others)
- (4) M6 x 75mm galvanised dipped, carbon steel self-tapping concrete screws
- (5) Continuous 6063 aluminium roof frame
- (6) Aluminium centre plate with drip points
- (7) Secondary 1.14mm thick Vexcolt EPDM membrane bonded to centre plate after installation
- (8) 5mm gap between centre plates to allow for thermal expansion
- (9) Centering bar system
- (10) Roof finishes
- (11) Secondary waterproofing bonded to roof frame and cross-bonded to the waterproofing membrane beneath the frame



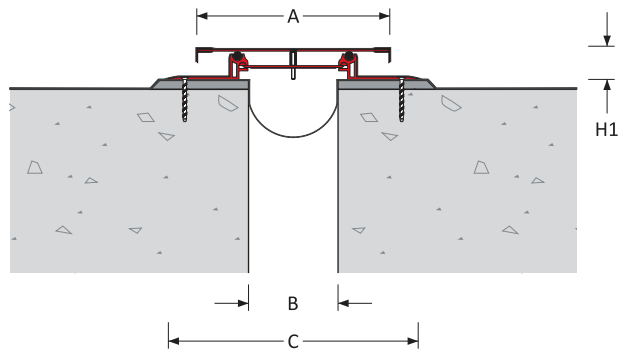
EXTERNAL CENTRE PLATE EXPANSION JOINT

Roof to Roof | Roof to Wall

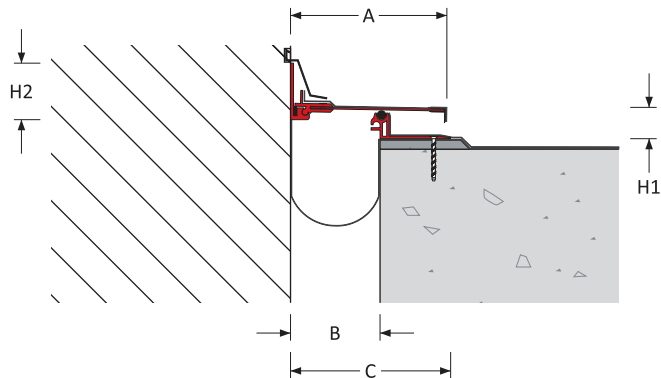
75 - 500 mm (3 - 20") Expansion Gaps

Megatec 600 : A25-A26

Megatec 600 : A25



Megatec 600 : A26

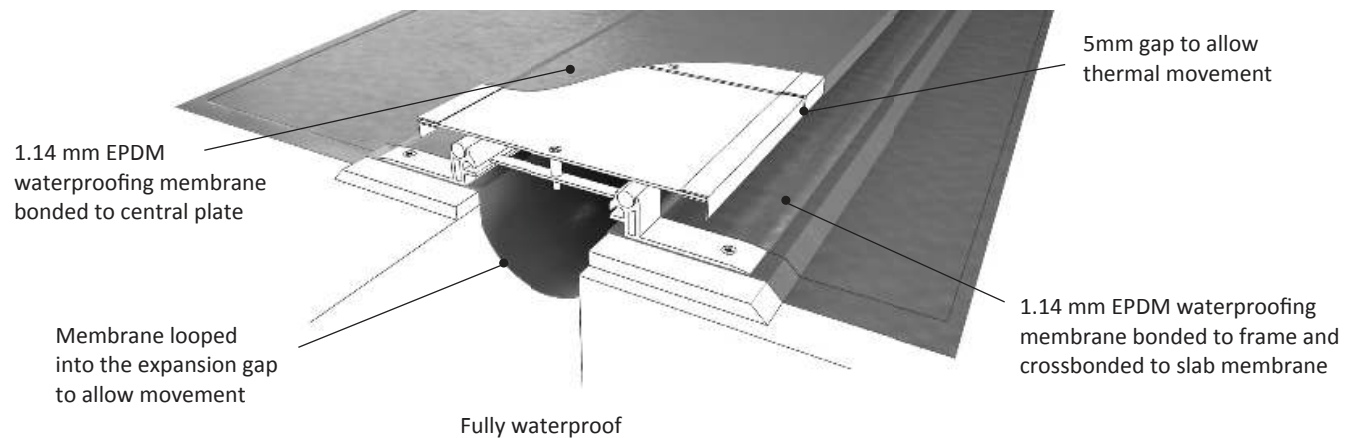


Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height		Sightline	Blockout	
								H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Roof - Roof	75	± 37	[75]	-	-	-	-	52	-	212	344	600-A25-075-(H1)
	100	± 50	[100]							257	368	600-A25-100-(H1)
	150	± 75	[150]							323	418	600-A25-150-(H1)
	200	± 100	[200]					58		397	532	600-A25-200-(H1)
	300	± 150	[300]							547	649	600-A25-300-(H1)
	400	± 200	[400]							700	780	600-A25-400-(H1)
	500	± 250	[500]							842	922	600-A25-500-(H1)
Roof - Wall	75	± 37	[75]	-	-	-	-	52	95	183	228	600-A26-075-(H1)
	100	± 50	[100]							207	241	600-A26-100-(H1)
	150	± 75	[150]							260	268	600-A26-150-(H1)
	200	± 100	[200]							396	318	600-A26-200-(H1)
	300	± 150	[300]							418	495	600-A26-300-(H1)
	400	± 200	[400]							695	518	600-A26-400-(H1)
	500	± 250	[500]							791	618	600-A26-500-(H1)



Features

Surface

Raised surface

Movement

Seismic movement capacity

ASTM E-1399 Class I: Thermal

Class II: Wind

Class III: Seismic

Traffic Frequency per day

				
-	-	-	-	-

System Options

Gap width(s)	75, 100, 150, 200, 300, 400, 500 mm
Height(s)	52, 58 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Mill finish Aluminium
Fire barrier	120-240 minutes
Waterproofing	Moisture barrier
Pre-assembly in factory	Contact Vexcolt

EXTERNAL CENTRE PLATE EXPANSION JOINT

Roof to Roof | Roof to Wall

75 - 500 mm (3 - 20") Expansion Gaps

Megatec 600 : A25-A26



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notes

for megatec range

building movement solutions



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building movement solutions

Design by The Design Factor, Belfast



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