

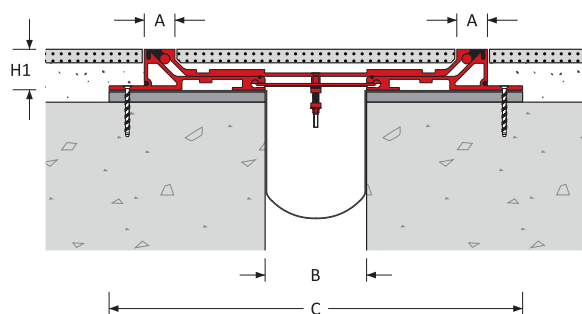
SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall

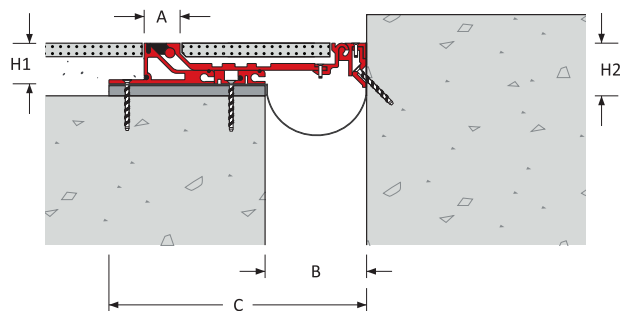
50 - 500 mm (2 - 20") Expansion Gaps

Seismatec 450 : A01-A02

Seismatec 450 : A01



Seismatec 450 : A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)				Eurocode Rating				Product Dimensions				Product Number
		Thermal		Seismic						Height		Sightline	Blockout	
		±	[Total]	±	[Total]									H1 (mm)
Floor - Floor	50	± 25.0	[50]	±25.0	[50]	20 kN	69 kN	30 kN	50	-	45	415	450-A01-050-(H1)	
	75			±38.0	[75]							440	450-A01-075-(H1)	
	100			±50.0	[100]							477	450-A01-100-(H1)	
	150			±75.0	[150]							515	450-A01-150-(H1)	
	200			±100	[200]	565	450-A01-200-(H1)							
	250			±125	[250]	635	450-A01-250-(H1)							
	300			±150	[300]	737	450-A01-300-(H1)							
	400			±200	[400]	880	450-A01-400-(H1)							
500	±300	[500]	5 kN	36 kN	1030	450-A01-500-(H1)								
Floor - Wall	50	± 25.0	[50]	±25.0	[50]	20 kN	69 kN	30 kN	50	43	58	275	450-A02-050-(H1)	
	75			±38.0	[75]							290	450-A02-075-(H1)	
	100			±50.0	[100]							295	450-A02-100-(H1)	
	150			±75.0	[150]							380	450-A02-150-(H1)	
	200			±100	[200]	445	450-A02-200-(H1)							
	250			±125	[250]	520	450-A02-250-(H1)							
	300			±150	[300]	595	450-A02-300-(H1)							
	400			±200	[400]	750	450-A02-400-(H1)							
500	±300	[500]	5 kN	36 kN	910	450-A02-500-(H1)								
Floor - Floor	50	± 25.0	[50]	±25.0	[50]	20 kN	69 kN	30 kN	60	-	45	457	450-A01-050-(H1)	
	75			±38.0	[75]							462	450-A01-075-(H1)	
	100			±50.0	[100]							487	450-A01-100-(H1)	
	150			±75.0	[150]							557	450-A01-150-(H1)	
	200			±100	[200]	607	450-A01-200-(H1)							
	250			±125	[250]	657	450-A01-250-(H1)							
	300			±150	[300]	737	450-A01-300-(H1)							
	400			±200	[400]	887	450-A01-400-(H1)							
500	±300	[500]	5 kN	36 kN	1037	450-A01-500-(H1)								
Floor - Wall	50	± 25.0	[50]	±25.0	[50]	20 kN	69 kN	30 kN	60	43	58	321	450-A02-050-(H1)	
	75			±38.0	[75]							344	450-A02-075-(H1)	
	100			±50.0	[100]							381	450-A02-100-(H1)	
	150			±75.0	[150]							391	450-A02-150-(H1)	
	200			±100	[200]	461	450-A02-200-(H1)							
	250			±125	[250]	533	450-A02-250-(H1)							
	300			±150	[300]	608	450-A02-300-(H1)							
	400			±200	[400]	758	450-A02-400-(H1)							
500	±300	[500]	5 kN	36 kN	908	450-A02-500-(H1)								

Sealant and backer rod by other

- 50mm deep systems are only suitable for the installation of 10mm deep paving within the central pan
- 60mm deep systems are suitable for the installation of paving up to 20mm deep within the central pan

Features

Surface

Smooth transit central pan system

Movement

Seismic movement capacity

ASTM E-1399 Class I: Thermal

Class II: Wind

Class III: Seismic

Thermal & Wind movement: +/-25.0mm

Seismic movement: +/-50% of expansion gap width

Traffic Frequency per day

				
> 25,000	≤ 1,000	≤ 1,000	≤ 100	-

System Options

Gap width(s)	50, 75, 100, 150, 200, 250, 300, 400, 500 mm
Height(s)	50, 60 mm
Metal type(s)	6063 T5 & 6063 T6 aluminium
Seal colour(s)	NA
Fire barrier	120-240 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt

SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall
50 - 500 mm (2 - 20") Expansion Gaps

Seismatec 450 : 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

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