

SEISMIC EXPANSION JOINT

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

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: +/-50mm

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

Seismatec 420 : 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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Expansion Joint Selection Criteria

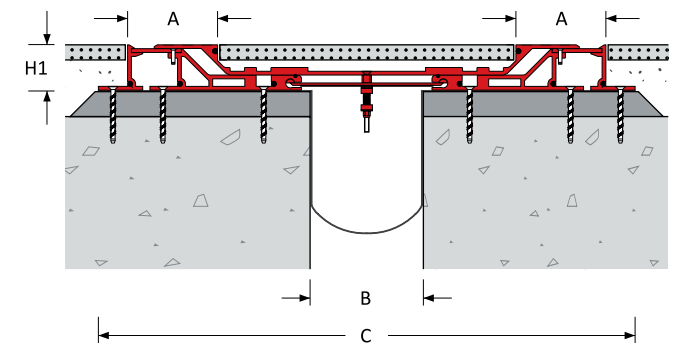
Load Rating

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)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	50	± 50	[100]	+50/-35	[85]	20 kN	69 kN	30 kN		50: 60	-	119	611	420-A01-050-(H1)
	75			±50.0	[100]								636	420-A01-075-(H1)
	100			±50.0	[100]								661	420-A01-100-(H1)
	150			±75.0	[150]	711	420-A01-150-(H1)							
	200			±100	[200]	761	420-A01-200-(H1)							
	250			±125	[250]	811	420-A01-250-(H1)							
	300			±150	[300]	861	420-A01-300-(H1)							
	400			±200	[400]	1061	420-A01-400-(H1)							
	500			±250	[500]	1191	420-A01-500-(H1)							
Floor - Wall	50	± 50	[100]	±50.0	[100]	20 kN	69 kN	30 kN		50: 60	66	194	417	420-A02-050-(H1)
	75			±50.0	[100]								490	420-A02-075-(H1)
	100			±50.0	[100]								500	420-A02-100-(H1)
	150			±75.0	[150]	550	420-A02-150-(H1)							
	200			±100	[200]	631	420-A02-200-(H1)							
	250			±125	[250]	706	420-A02-250-(H1)							
	300			±150	[300]	781	420-A02-300-(H1)							
	400			±200	[400]	931	420-A02-400-(H1)							
	500			±250	[500]	1081	420-A02-500-(H1)							

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

Seismatec 420 : A01



Seismatec 420 : A02

