

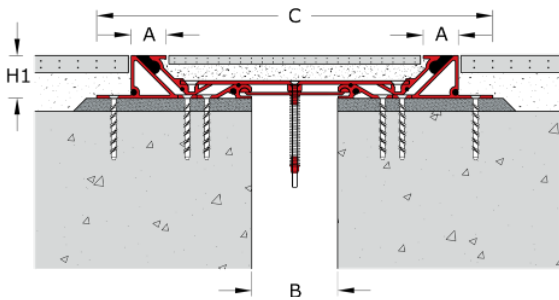
SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall

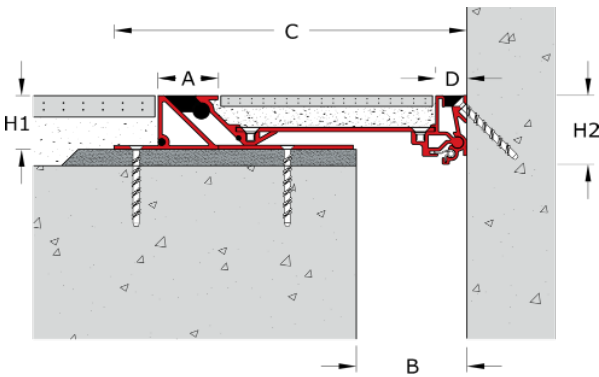
50 - 500 mm (2 - 20") Expansion Gaps

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 ±	[Total]	Seismic ±	[Total]					Height			Sightline		Blockout C (mm)
						H1 (mm)	H2 (mm)	A (mm)	D (mm)						
Floor - Floor	50	±25	[50]	±25	[50]	20 kN	69 kN	30 kN	-	50	-	41	-	387	450-A01-050-050
	75			±38	[75]									425	450-A01-075-050
	100			±50	[100]									461	450-A01-100-050
	150			±75	[150]	536	450-A01-150-050								
	200			±100	[200]	612	450-A01-200-050								
	250			±125	[250]	687	450-A01-250-050								
	300			±150	[300]	763	450-A01-300-050								
	400			±200	[400]	911	450-A01-400-050								
	500			±250	[500]	1063	450-A01-500-050								
Floor - Wall	50	±25	[50]	±25	[50]	20 kN	69 kN	30 kN	-	50	64	54	28	212	450-A02-050-050
	75			±38	[75]									282	450-A02-075-050
	100			±50	[100]									319	450-A02-100-050
	150			±75.0	[150]	394	450-A02-150-050								
	200			±100	[200]	469	450-A02-200-050								
	250			±125	[250]	544	450-A02-250-050								
	300			±150	[300]	619	450-A02-300-050								
	400			±200	[400]	769	450-A02-400-050								
	500			±300	[500]	923	450-A02-500-050								

Sealant and backer rod by other

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 mm
Metal type(s)	6063 T5 & T6 Aluminium
Fire barrier	120 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt

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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