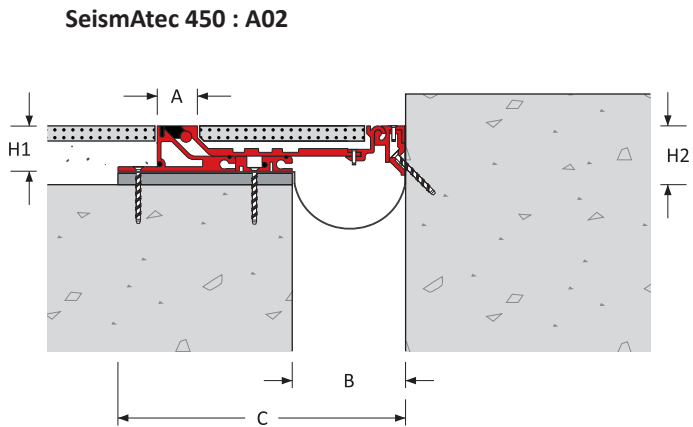
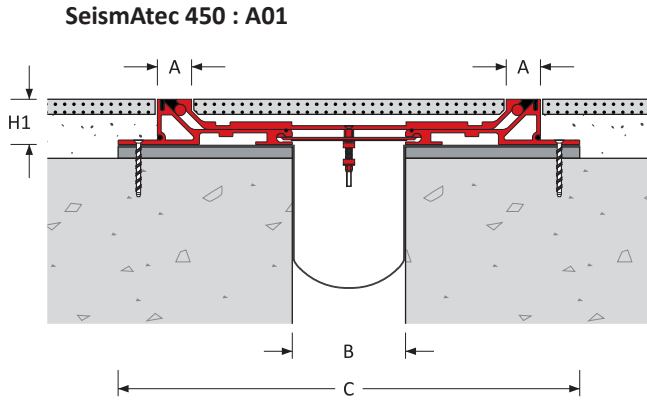


SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall

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

SeismAtec 450 : A01-A02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap B	Movement Capacity (mm)				Eurocode Rating				Product Dimensions			Product Number		
		Thermal		Seismic						Height		Sightline		Blockout	
		±	[Total]	±	[Total]					H1	H2	A (mm)	C (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]	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]	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]	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]	908	450-A02-500-(H1)								

Sealant and backer rod by other

- 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

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)	Aluminium
Seal colour(s)	NA
Fire barrier	120-240 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt



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