SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall

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

Seismatec 450 : A01-A02

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

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

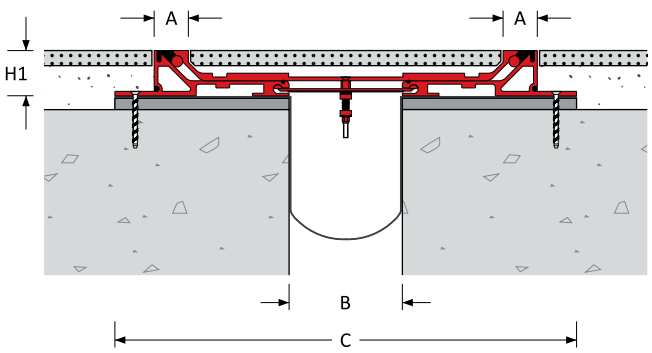
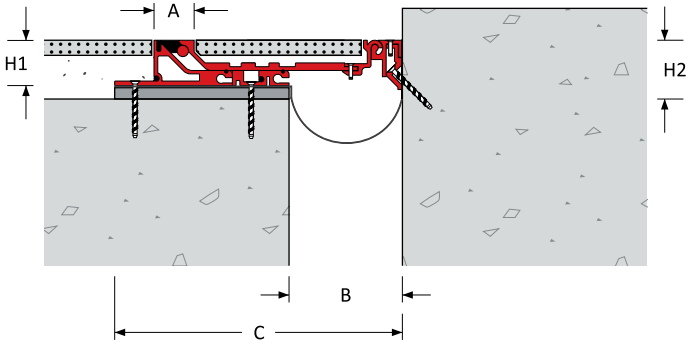
Joint Location	Gap Width B (mm)	Movement Capacity (mm) Thermal ±	Thermal [Total]	Seismic ±	Seismic [Total]	Eurocode Rating				Product Dimensions Height H1 (mm)	Height H2 (mm)	Sightline A (mm)	Blockout C (mm)	Product Number
Floor - Floor	50	± 25.0	[50]	±25.0	[50]	20 kN	69 kN	30 kN		50: 60	-	45	511	450-A01-050-(H1)
	75			±37.5	[75]								536	450-A01-075-(H1)
	100			±50.0	[100]								561	450-A01-100-(H1)
	150			±75.0	[150]								611	450-A01-150-(H1)
	200			±100	[200]	10 kN	46 kN						661	450-A01-200-(H1)
	250			±125	[250]								711	450-A01-250-(H1)
	300			±150	[300]								940	450-A01-300-(H1)
	400			±200	[400]	5 kN	36 kN						1041	450-A01-400-(H1)
	500			±250	[500]								1141	450-A01-500-(H1)
Floor - Wall	50	± 25.0	[50]	±25.0	[50]	20 kN	69 kN	30 kN		50: 60	66	54	333	450-A02-050-(H1)
	75			±37.5	[75]								346	450-A02-075-(H1)
	100			±50.0	[100]								348	450-A02-100-(H1)
	150			±75.0	[150]								381	450-A02-150-(H1)
	200			±100	[200]	10 kN	46 kN						506	450-A02-200-(H1)
	250			±125	[250]								556	450-A02-250-(H1)
	300			±150	[300]								653	450-A02-300-(H1)
	400			±200	[400]	5 kN	36 kN						803	450-A02-400-(H1)
	500			±250	[500]								953	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

Seismatec 450 : A01



Seismatec 450 : A02