SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall

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

Seismatec 430 : 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: +/-12.5mm

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)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
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

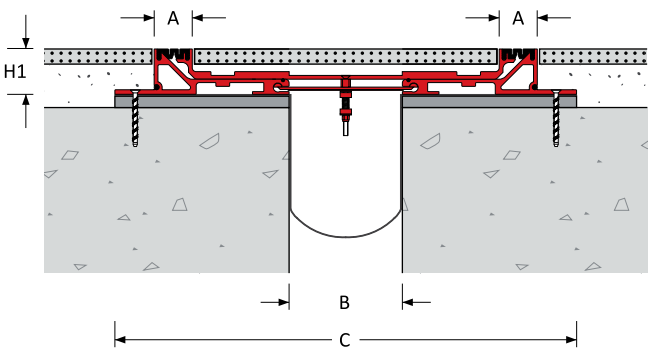
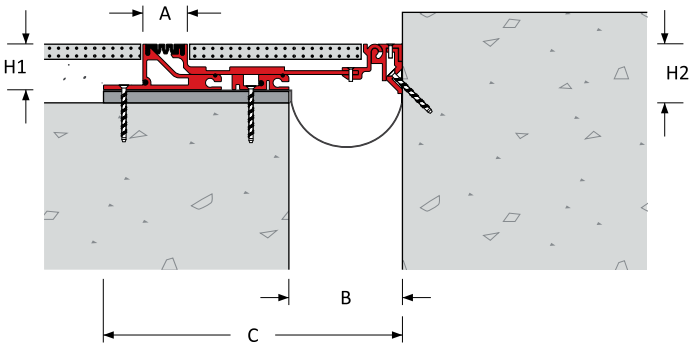
Product Details

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	± 12.5	[25]	±25.0	[50]	20 kN	69 kN	30 kN		50: 60	-	51	511	430-A01-050-(H1)
	75			±37.5	[75]								536	430-A01-075-(H1)
	100			±50.0	[100]								561	430-A01-100-(H1)
	150			±75.0	[150]								611	430-A01-150-(H1)
	200			±100	[200]	10 kN	46 kN						661	430-A01-200-(H1)
	250			±125	[250]								715	430-A01-250-(H1)
	300			±150	[300]								928	430-A01-300-(H1)
	400			±200	[400]	5 kN	36 kN						1028	430-A01-400-(H1)
	500			±250	[500]								1128	430-A01-500-(H1)
Floor - Wall	50	± 12.5	[25]	±25.0	[50]	20 kN	69 kN	30 kN		50: 60	74	59	323	430-A02-050-(H1)
	75			±37.5	[75]								336	430-A02-075-(H1)
	100			±50.0	[100]								348	430-A02-100-(H1)
	150			±75.0	[150]								395	430-A02-150-(H1)
	200			±100	[200]	10 kN	46 kN						470	430-A02-200-(H1)
	250			±125	[250]								556	430-A02-250-(H1)
	300			±150	[300]								645	430-A02-300-(H1)
	400			±200	[400]	5 kN	36 kN						795	430-A02-400-(H1)
	500			±250	[500]								956	430-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 430 : A01



Seismatec 430 : A02