SEISMIC EXPANSION JOINT

Floor to Floor | Floor to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Seismatec 410 : A01-A02

Features

Surface

Smooth transit central pan system.

During a seismic event the central pan lifts and the winged side frames rotate to provide safe egress to people with mobility difficulties.

Fully Americans with Disabilities Act (ADA) compliant across the entire movement cycle

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)	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

CENTRE SUPPORTED ADA COMPLIANT ACCESS FOR ALL

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

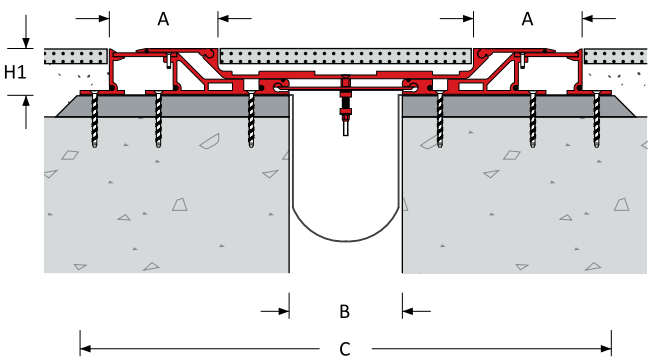
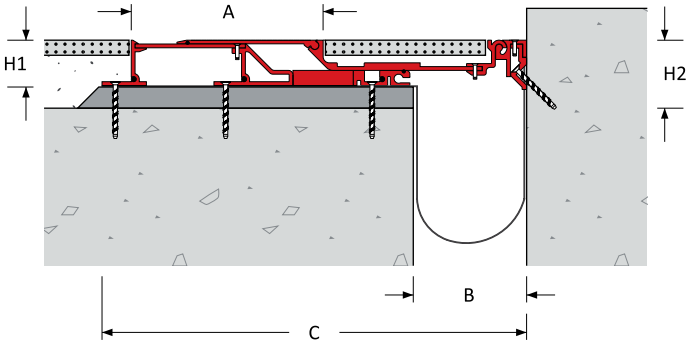
Product Details

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	100	± 50	[100]	±50.0	[100]					50: 60	-	130	625	410-A01-100-(H1)
	150			±75.0	[150]							144	703	410-A01-150-(H1)
	200			±100	[200]	10 kN	46 kN					165	794	410-A01-200-(H1)
	250			±125	[250]							190	937	410-A01-250-(H1)
	300			±150	[300]							214	1036	410-A01-300-(H1)
	400			±200	[400]	5 kN	36 kN					264	1344	410-A01-400-(H1)
	500			±250	[500]							313	1590	410-A01-500-(H1)
Floor - Wall	100	± 50	[100]	±50.0	[100]					50: 60	66	214	462	410-A02-100-(H1)
	150			±75.0	[150]							254	564	410-A02-150-(H1)
	200			±100	[200]	10 kN	46 kN					329	702	410-A02-200-(H1)
	250			±125	[250]							354	802	410-A02-250-(H1)
	300			±150	[300]							404	932	410-A02-300-(H1)
	400			±200	[400]	5 kN	36 kN					504	1182	410-A02-400-(H1)
	500			±250	[500]							604	1432	410-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 410 : A01



Seismatec 410 : A02