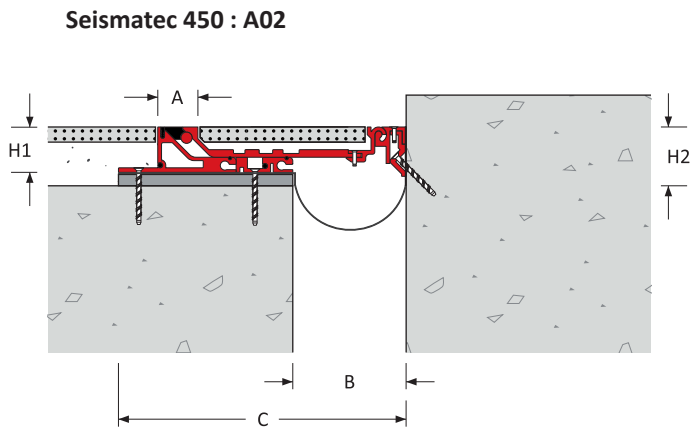
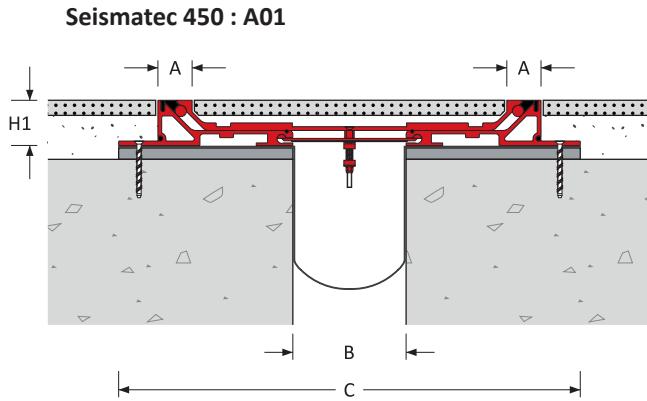


SEISMIC EXPANSION JOINT

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 Width B (mm) | Movement Capacity (mm) | | Eurocode Rating | | | | Product Dimensions | | | Product Number | | |
|----------------|------------------|------------------------|---------|-----------------|---------|-------|-------|--------------------|----|----------------|------------------|---------|------------------|
| | | Thermal ± | [Total] | Seismic ± | [Total] | | | | | Height H1 (mm) | | H2 (mm) | Sightline A (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] | 10 kN | 46 kN | 30 kN | 50 | - | 45 | 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] | 5 kN | 36 kN | | | | | | 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] | 10 kN | 46 kN | 30 kN | 50 | 43 | 58 | 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] | 5 kN | 36 kN | | | | | | 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] | 10 kN | 46 kN | 30 kN | 60 | - | 45 | 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] | 5 kN | 36 kN | | | | | | 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] | 10 kN | 46 kN | 30 kN | 60 | 43 | 58 | 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] | 5 kN | 36 kN | | | | | | 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 Europe |



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