

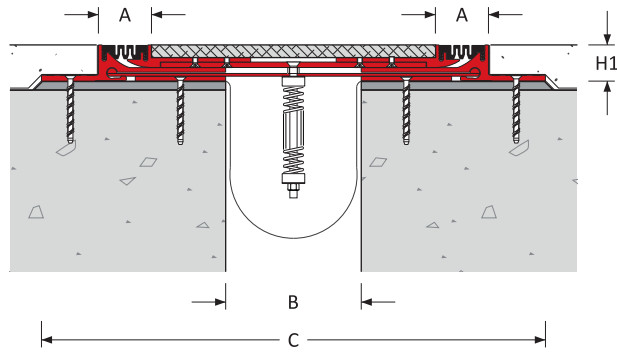
# MECHANICAL EXPANSION JOINT

Floor to Floor

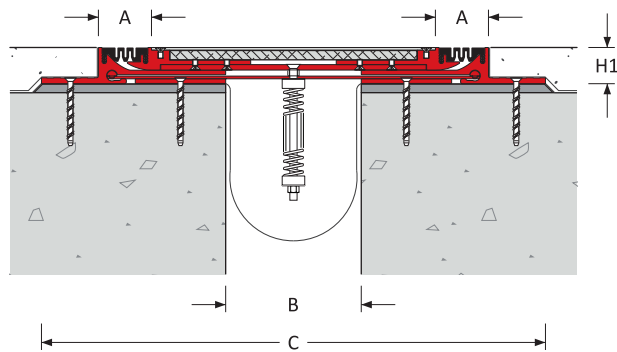
150 - 500 mm ( 6 - 20" ) Expansion Gaps

## Transatec 1140 : A01/C01

Transatec 1140 : A01



Transatec 1140 : C01



### Expansion Joint Selection Criteria

### Load Rating

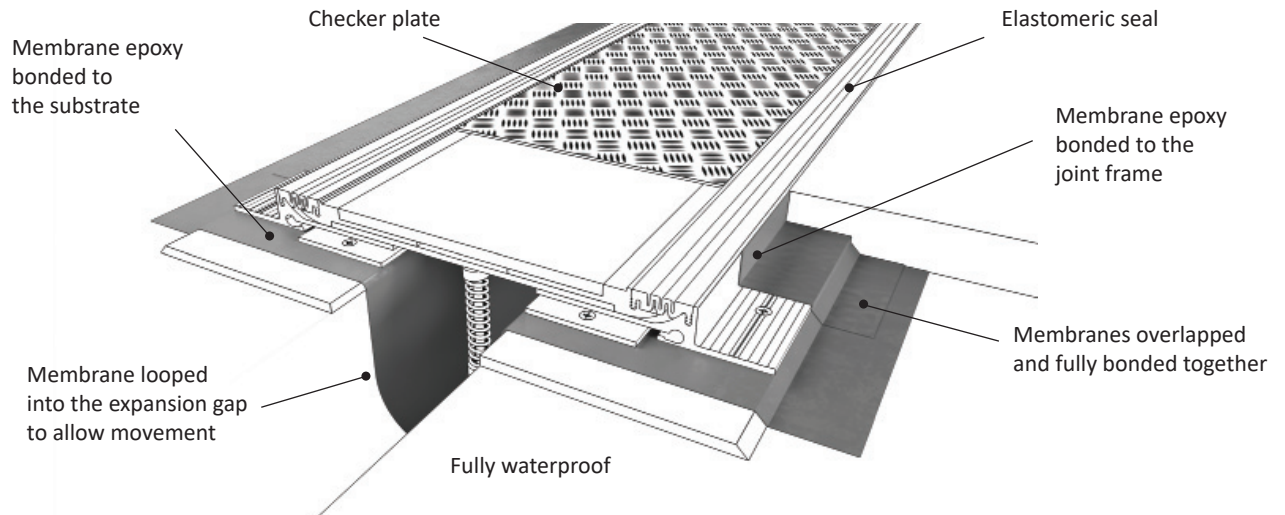
### Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)				Eurocode Rating				Product Dimensions				Product Number
		Thermal		Seismic						Height		Sightline A (mm)	Blockout C (mm)	
		±	[Total]	±	[Total]					H1 (mm)	H2 (mm)			
Floor - Floor	150	± 25.0	[50]	±75.0	[150]	5 kN	100 kN	160 kN	630 kN	40	-	59	558	1140-A01/C01-150
	200			±100	[200]								608	1140-A01/C01-200
	250			±125	[250]	2 kN	69 kN	30 kN	300 kN				731	1140-A01/C01-250
	300			±150	[300]								781	1140-A01/C01-300
	400			±200	[400]	31 kN		120 kN	981				1140-A01/C01-400	
	500			±250	[500]				1081				1140-A01/C01-500	

Standard thermal movement before the central pan lifts = +/-50mm.

**1140-A01** denotes products with a central pan which is in-filled with a high strength epoxy mortar bed (by others).

**1140-C01** denotes products with a central pan which is in-filled with high strength epoxy mortar bed (by others) on top of which are attached 3mm thick aluminium, galvanised steel or stainless steel checker plates (supplied). These plates improve the anti-slip characteristics of the 1140 joints in wet conditions.



**Features**

**Surface**

Smooth transit across a central pan filled with high strength (>60N) cube strength epoxy mortar.

Alternatively, the system can be supplied with an aluminium, galvanised steel or stainless steel checker plate to improve slip resistance.

Corrugated seals for greater thermal movement

**Movement**

Seismic movement capacity

ASTM E-1399 Class I: Thermal  
Class II: Wind  
Class III: Seismic

Thermal & wind movement: +/-25mm, Total 50mm

Seismic movement: +/- 50% of expansion gap width

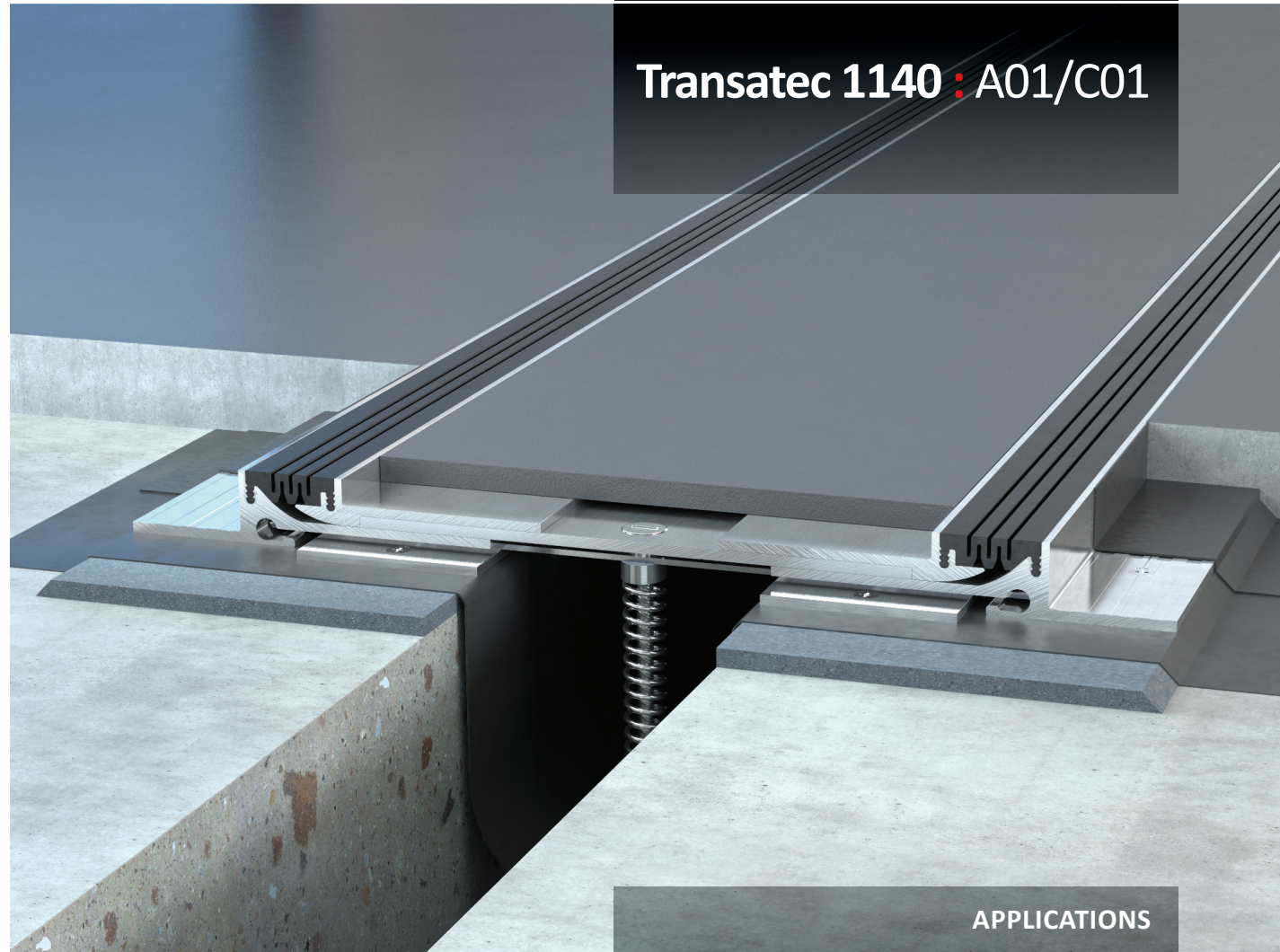
**Traffic Frequency per day**

				
> 25,000	≤ 1,000	≤ 1,000	> 25,000	≤ 100

**System Options**

Gap width(s)	150, 200, 250, 300, 400, 500 mm
Height(s)	40 mm
Metal type(s):	Aluminium
Colour(s)	Mill Finish Aluminium
Fire barrier	120-240 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt Europe

**Transatec 1140 : A01/C01**



**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