

# ISEDIO

## ARMOURJOINT ADJUSTABLE

Technical Datasheet

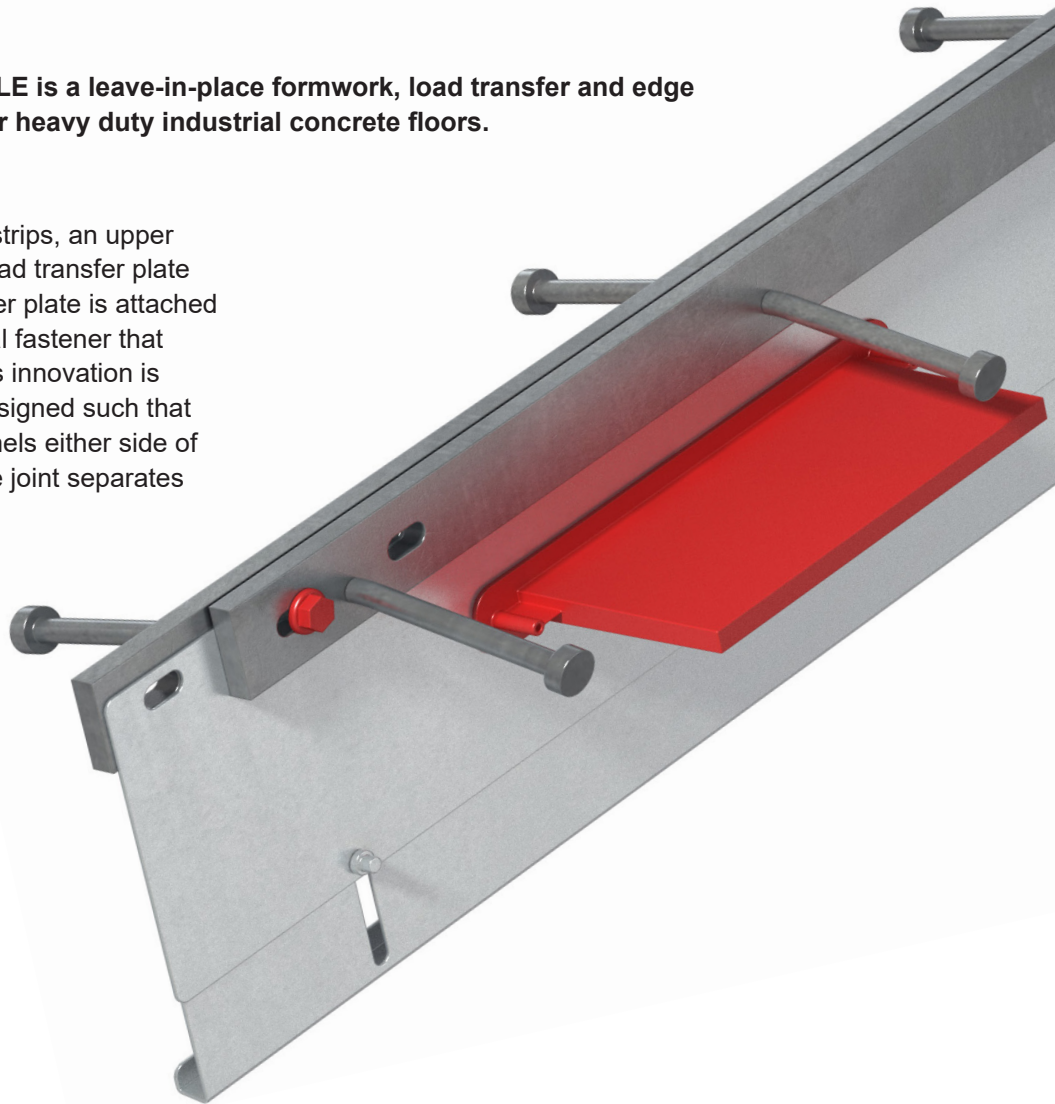
**Isedio ARMOURJOINT ADJUSTABLE is a leave-in-place formwork, load transfer and edge protection joint system suitable for heavy duty industrial concrete floors.**

The joint system comprises two top strips, an upper divider plate, a lower divider plate, load transfer plate dowels and sleeves. The lower divider plate is attached to the upper divider plate by a special fastener that requires no tools for adjustment. This innovation is protected by a patent. The joint is designed such that once cast in-situ, as the two slab panels either side of the joint begin to cure and shrink, the joint separates such that one slab panel has the sleeve and top strip and the other has the top strip, divider plate and dowel. The dowel bridges across the joint and is embedded in both slab panels.

Formwork for casting a concrete slab is achieved by the vertical divider plates which supports the top strip edge protection and load transfer plate dowels.

Slab arris protection is provided by way of cold drawn steel top strips with shear studs that anchor the top strips in the concrete.

Load transfer across the joint is achieved by asymmetric plate dowels and sleeves. The plate dowels are attached to the vertical divider plate and the sleeves are held in place under friction and are detachable as the joint opens up. Intersections for corners, tees and 4 ways are available.



**MATERIAL SPECIFICATION**

Component	Material
Top Strips	Cold drawn steel to BS EN 10277-2:2008 (can be supplied in stainless steel or hot dip galvanised)
Frangible Fastener	Nylon
Divider Plate	Steel DC01 to BS EN 10130:2006
Load Transfer Dowel Plate	8mm & 12mm - S355 Steel to BS EN 10025-2:2004
Sleeve	8mm & 12mm - PP

**TECHNICAL DATA**

Description	Dimension & Tolerance
Joint Length	3000mm +/-2.0mm
Straightness	+/-0.5mm in 600mm
General Dimensional Tolerance	Dimensions < 12mm +/-0.5mm Dimensions > 12mm +/-2.0mm

Information on load transfer capacities can be found on the Load Transfer Capacity Datasheet.

**PACKAGING INFORMATION**

5 x 8mm Dowels (600mm Centres)			
Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight inc. packaging (kg)	Max. no. of bundles and metres per truck
100 - 130mm	50 off - 150m	1,746 kg	13 Bundles – 1,950m
130 - 150mm	49 off - 147m	1,780 kg	13 Bundles – 1,911m
150 - 200mm	49 off - 147m	1,815 kg	13 Bundles – 1,911m
200 - 250mm	42 off - 126m	1,646 kg	14 Bundles – 1,764m
250 - 300mm	35 off - 105m	1,551 kg	15 Bundles – 1,575m

5 x 12mm Dowels (600mm Centres)			
Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight inc. packaging (kg)	Max. no. of bundles and metres per truck
100 - 130mm	40 off - 120m	1,548 kg	15 Bundles – 1,800m
130 - 150mm	42 off - 126m	1,681 kg	14 Bundles – 1,764m
150 - 200mm	42 off - 126m	1,719 kg	13 Bundles – 1,638m
200 - 250mm	42 off - 126m	1,793 kg	13 Bundles – 1,638m
250 - 300mm	35 off - 105m	1,673 kg	14 Bundles – 1,470m

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