

ISEDIO

ARMOURJOINT-PRO ADJUSTABLE

Technical Datasheet

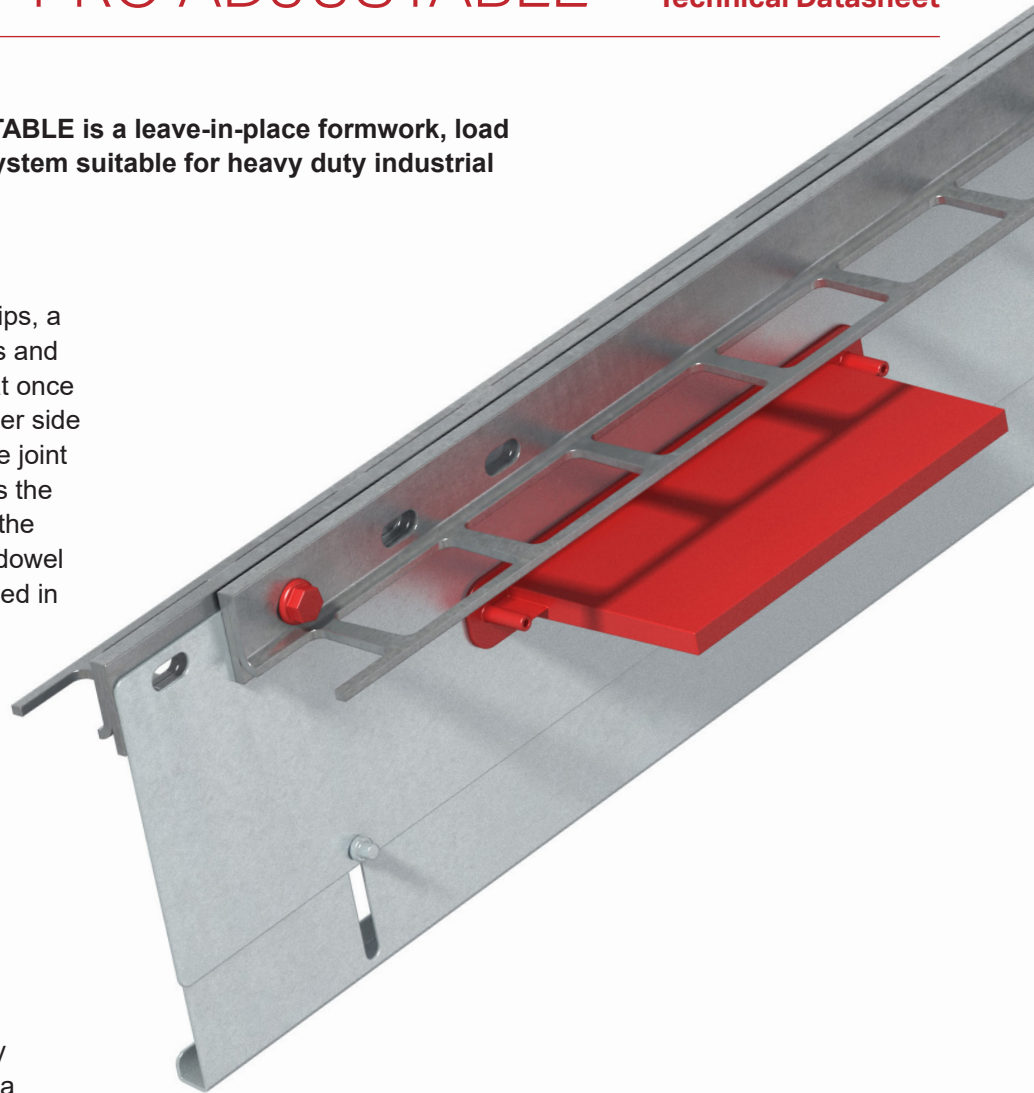
Isedio ARMOURJOINT-PRO ADJUSTABLE is a leave-in-place formwork, load transfer and edge protection joint system suitable for heavy duty industrial concrete floors.

The joint system comprises two top strips, a divider plate, load transfer plate dowels and sleeves. 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 plate which supports the top strip edge protection and load transfer plate dowels.

Slab arris protection is provided by way of cold rolled steel top strips each with a perforated steel wing that embeds in the concrete thus retaining the top strip 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.



MATERIAL SPECIFICATION

Component	Material
Top Strips	Each strip is 8mm thick cold rolled steel (can be supplied 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 INFORMATION

Description	Dimension & Tolerance
Joint Length	3,000mm +/- 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 including packaging (kg)	Max. no. of bundles metres per truck
100 - 130mm	48 off - 144m	1,423 kg	16 Bundles – 2,304m
130 - 150mm	40 off - 120m	1,238 kg	16 Bundles – 1,920m
150 - 200mm	40 off - 120m	1,266 kg	16 Bundles– 1,920m
200 - 250mm	24 off - 72m	827 kg	16 Bundles – 1,152m
250 - 300mm	24 off - 72m	936 kg	16 Bundles – 1,152m

5 x 12mm Dowels (600mm Centres)			
Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight including packaging (kg)	Max. no. of bundles metres per truck
100 - 130mm	48 off - 144m	1,590 kg	15 Bundles – 2,160m
130 - 150mm	40 off - 120m	1,378 kg	16 Bundles – 1,920m
150 - 200mm	40 off - 120m	1,406 kg	16 Bundles – 1,920m
200 - 250mm	24 off - 72m	910 kg	16 Bundles – 1,152m
250 - 300mm	24 off - 72m	1,020 kg	16 Bundles – 1,152m

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