

ISEDIO

ARMOURJOINT ADJUSTABLE

Technical Datasheet

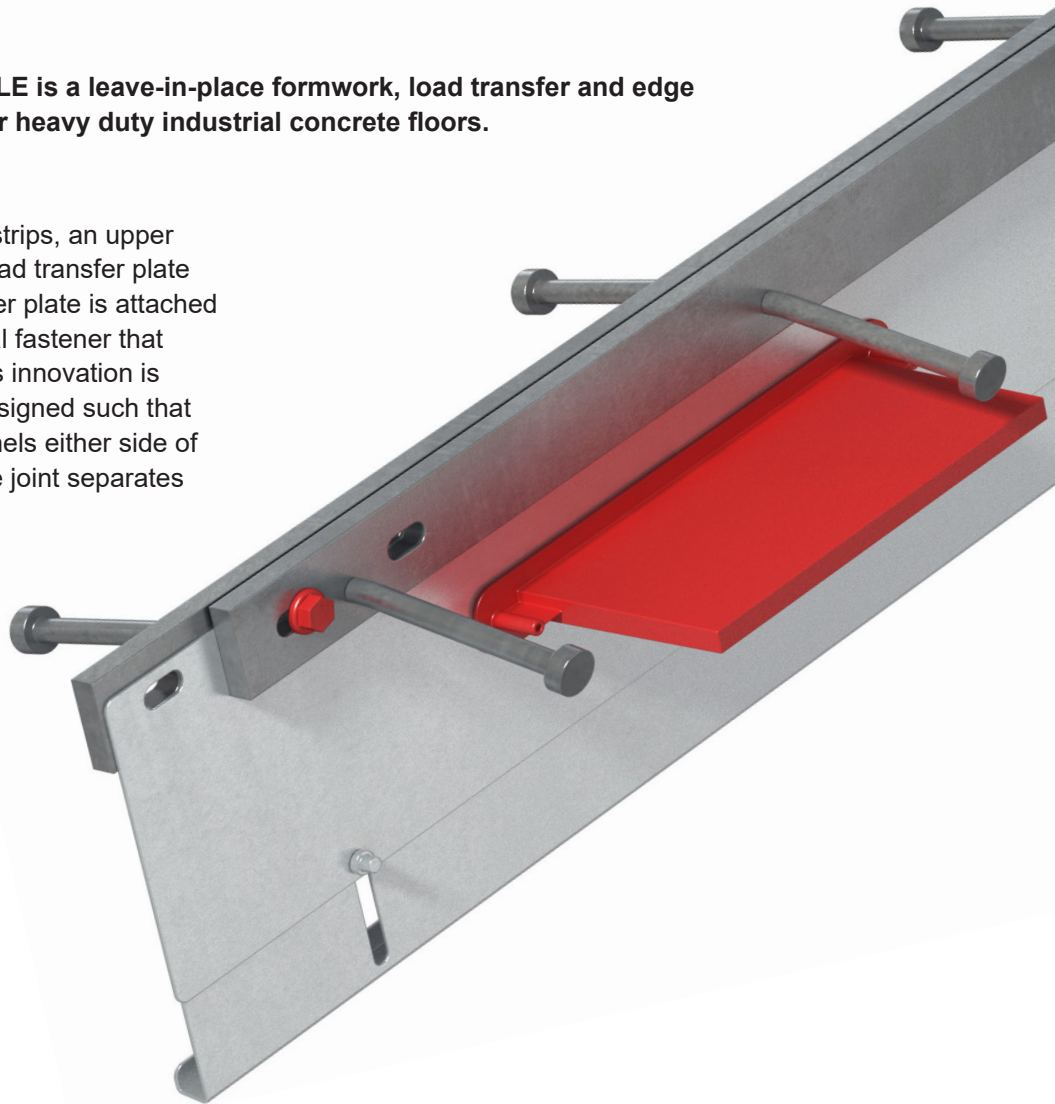
Isedio ARMOURJOINT ADJUSTABLE is a leave-in-place formwork, load transfer and edge protection joint system suitable for heavy duty industrial concrete floors.

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	6mm, 8mm & 12mm - S275 & S355 Steel to BS EN 10025-2:2004
Sleeve	6mm, 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 6mm Dowels (600mm Centres)			
Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight inc. packaging (kg)	Max. no. of bundles, weight and metres per truck
100 - 130mm	50 off - 150m	1,673 kg	15 Bundles - 23,417 kg - 2,250m
130 - 150mm	49 off - 147m	1,723 kg	13 Bundles - 22,404 kg - 1,911m
150 - 200mm	49 off - 147m	1,758 kg	13 Bundles - 22,854 kg - 1,911m
200 - 250mm	35 off - 105m	1,359 kg	16 Bundles - 21,739 kg - 1,680m
250 - 300mm	28 off - 84m	1,243 kg	15 Bundles - 18,650 kg - 1,260m
300 - 350mm	21 off - 63m	1,018 kg	16 Bundles - 16,287 kg - 1,008m

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, weight and metres per truck
100 - 130mm	50 off - 150m	1,760 kg	13 Bundles - 22,877 kg - 1,950m
130 - 150mm	49 off - 147m	1,809 kg	13 Bundles - 23,515 kg - 1,911m
150 - 200mm	49 off - 147m	1,843 kg	13 Bundles - 23,965 kg - 1,911m
200 - 250mm	35 off - 105m	1,420 kg	16 Bundles - 22,715 kg - 1,680m
250 - 300mm	28 off - 84m	1,292 kg	15 Bundles - 19,238 kg - 1,260m
300 - 350mm	21 off - 63m	1,055 kg	16 Bundles - 16,873 kg - 1,344m

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, weight and metres per truck
100 - 130mm	40 off - 120m	1,548 kg	15 Bundles - 23,326 kg - 1,800m
130 - 150mm	42 off - 126m	1,681 kg	14 Bundles - 23,833 kg - 1,764m
150 - 200mm	42 off - 126m	1,719 kg	13 Bundles - 22,712 kg - 1,638m
200 - 250mm	35 off - 105m	1,793 kg	15 Bundles - 23,125 kg - 1,575m
250 - 300mm	28 off - 84m	1,673 kg	14 Bundles - 19,456 kg - 1,176m
300 - 350mm	21 off - 63m	1,128 kg	16 Bundles - 18,044 kg - 1,008m

Copyright © 2020 Ancon Ltd trading as Leviat. Errors and omissions excepted. We reserve the right to revise this documentation and to make changes in content from time to time without obligation on the part of Ancon Ltd trading as Leviat to provide notification of such revision or change. Information contained within this document is approximate.