

ISEDIO ARMOURJOINT-PRO ADJUSTABLE

Technical Datasheet

Isedio ArmourJoint-Pro is an advanced arris protection, load transfer and leave-in-place system that features additional cold rolled top strips to ensure the optimum combination of strength and joint stiffness.

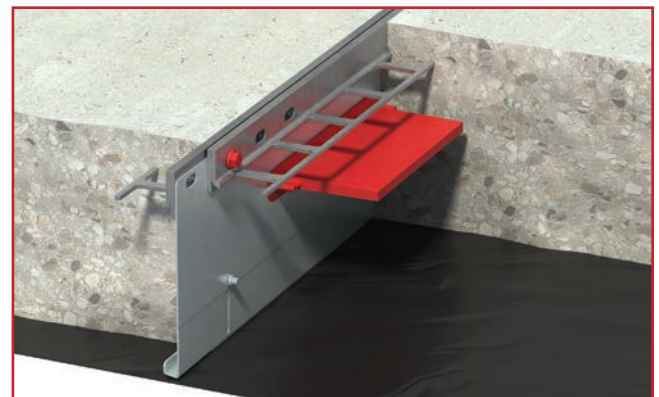
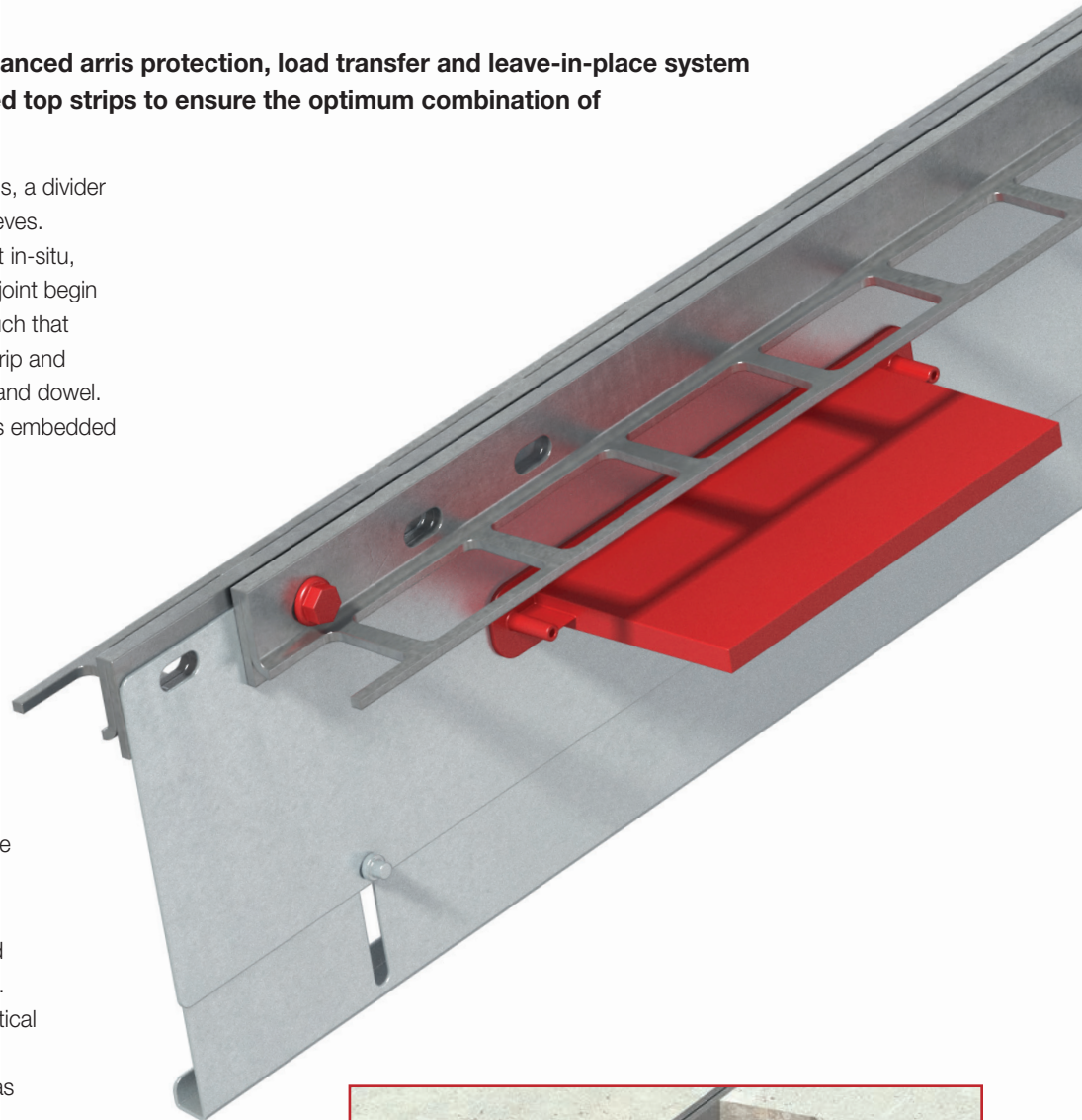
The joint system comprises two top strips, a divider plate, load transfer plate dowels and sleeves.

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	6mm, 8mm & 12mm - S275 & S355 Steel to BS EN 10025-2:2004
Sleeve	6mm, 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 6mm Dowels (600mm Centres)

Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight including packaging (kg)	Max. no. of bundles, weight and metres per truck
100 - 130mm	50 off - 150m	1,491kg	16 Bundles - 23,859kg - 2,400m
130 - 150mm	50 off - 150m	1,544kg	15 Bundles - 23,162kg - 2,250m
150 - 200mm	50 off - 150m	1,579kg	15 Bundles - 23,692kg - 2,250m
200 - 250mm	40 off - 120m	1,342kg	16 Bundles - 21,468kg - 1,920m
250 - 300mm	30 off - 90m	1,152kg	16 Bundles - 18,438kg - 1,440m
300 - 350mm	20 off - 60m	827kg	16 Bundles - 16,246kg - 960m

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, weight and metres per truck
100 - 130mm	50 off - 150m	1,578kg	15 Bundles - 23,675kg - 2,250m
130 - 150mm	50 off - 150m	1,631kg	14 Bundles - 22,838kg - 2,100m
150 - 200mm	50 off - 150m	1,667kg	14 Bundles - 23,333kg - 2,100m
200 - 250mm	40 off - 120m	1,411kg	16 Bundles - 22,583kg - 1,920m
250 - 300mm	30 off - 90m	1,205kg	16 Bundles - 19,275kg - 1,440m
300 - 350mm	20 off - 60m	863kg	16 Bundles - 13,803kg - 960m

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, weight and metres per truck
100 - 130mm	50 off - 150m	1,753kg	13 Bundles - 22,783kg - 1,950m
130 - 150mm	50 off - 150m	1,806kg	13 Bundles - 23,472kg - 1,950m
150 - 200mm	50 off - 150m	1,841kg	15 Bundles - 23,932kg - 1,950m
200 - 250mm	40 off - 120m	1,551kg	15 Bundles - 23,262kg - 1,800m
250 - 300mm	30 off - 90m	1,309kg	16 Bundles - 20,948kg - 1,440m
300 - 350mm	20 off - 60m	932kg	16 Bundles - 14,918kg - 960m

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