

# ISEDIO ARMOURJOINT FIXED

Technical Datasheet

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

The joint system comprises of a fixed 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 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 10130:2006D
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	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 inc. packaging (kg)	Max. no. of bundles and metres per truck
130mm	49 off - 147m	1,683 kg	14 bundles 23,557 kg - 2,058m
140mm	49 off - 147m	1,700 kg	14 bundles 23,990 kg - 2,058m
150mm	49 off - 147m	1,717 kg	14 bundles 24,041 kg - 2,058m
160mm	42 off - 126m	1,504 kg	16 bundles 24,070 kg - 2,016m
170mm	42 off - 126m	1,519 kg	15 bundles 22,788 kg - 1,890m
180mm	42 off - 126m	1,534 kg	15 bundles 23,110 kg - 1,890m
190mm	42 off - 126m	1,541 kg	15 bundles 23,233 kg - 1,980m

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
130mm	42 off - 126m	1,598kg	15 bundles 23,997 kg - 1,890m
140mm	42 off - 126m	1,613kg	14 bundles 22,586 kg - 1,764m
150mm	42 off - 126m	1,628kg	14 bundles 22,794 kg - 1,764m
160mm	42 off - 126m	1,651kg	14 bundles 23,111 kg - 1,764m
170mm	42 off - 126m	1,666kg	14 bundles 23,319 kg - 1,764m
180mm	42 off - 126m	1,680kg	14 bundles 23,526 kg - 1,764m
190mm	42 off - 126m	1,695kg	14 bundles 23,734 kg - 1,764m

Isedio ARMOURJOINT FIXED is available in sizes less than 130mm and greater than 190mm, details available upon request.

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