

# ISEDIO

## ARMOURJOINT-LITE FIXED

### Technical Datasheet

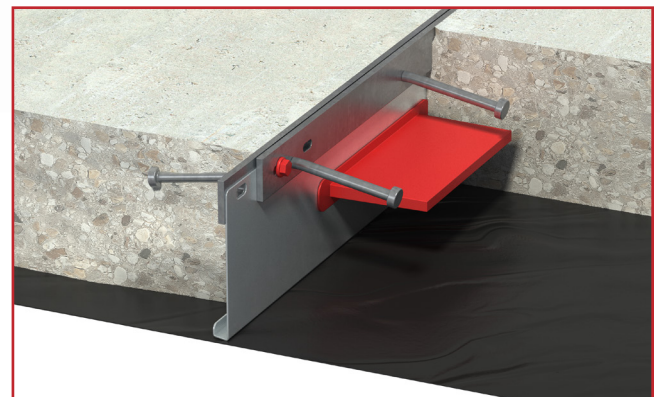
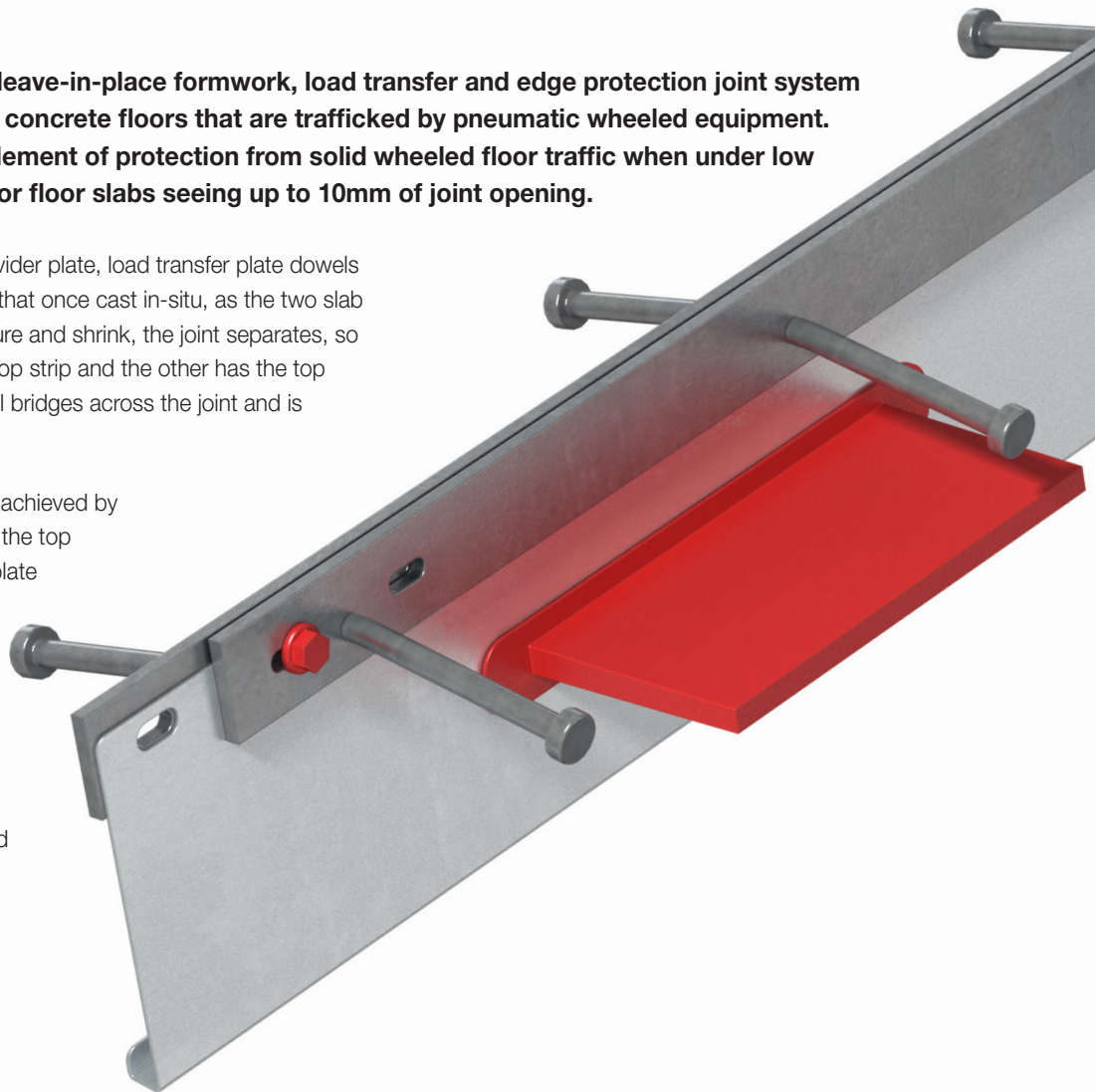
**Isedio ARMOURJOINT-LITE is a leave-in-place formwork, load transfer and edge protection joint system designed for light duty industrial concrete floors that are trafficked by pneumatic wheeled equipment. ARMOURJOINT-LITE offers an element of protection from solid wheeled floor traffic when under low load and low traffic conditions, for floor slabs seeing up to 10mm of joint opening.**

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, so 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 cold drawn mild steel 6mm thick 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. Please note, for heavier duty floors with frequent traffic and larger joint openings, a suitable alternative Isedio product should be used such as ARMOURJOINT, GUARDJOINT or SHIELDJOINT.



## MATERIAL SPECIFICATION

| Component                 | Material                                                                                             |
|---------------------------|------------------------------------------------------------------------------------------------------|
| Top Strips                | Cold drawn steel to BS EN 10277-2:2008<br>(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 | 6mm - S275 Steel to BS EN 10025-2:2004                                                               |
| Sleeve                    | 6mm - PP                                                                                             |

## TECHNICAL DATA

| Description                    | Dimensions & Tolerances                                    |
|--------------------------------|------------------------------------------------------------|
| Joint Length                   | 3,000mm<br>+/- 2.0mm                                       |
| Straightness                   | +/- 0.5mm in 600mm                                         |
| General Dimensional Tolerances | Dimensions < 12mm +/- 0.5mm<br>Dimensions < 12mm +/- 2.0mm |

Information on load transfer capacities can be found in 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 and metres per truck |
| 130mm                          | 49 off - 147m                           | 1,305 kg                                  | 16 bundles - 2,352m                      |
| 140mm                          | 49 off - 147m                           | 1,323 kg                                  | 16 bundles - 2,352m                      |
| 150mm                          | 49 off - 147m                           | 1,340 kg                                  | 16 bundles - 2,352m                      |
| 160mm                          | 42 off - 126m                           | 1,184 kg                                  | 16 bundles - 2,016m                      |
| 170mm                          | 42 off - 126m                           | 1,199 kg                                  | 16 bundles - 2,016m                      |
| 180mm                          | 42 off - 126m                           | 1,213 kg                                  | 16 bundles - 2,016m                      |
| 190mm                          | 42 off - 126m                           | 1,228 kg                                  | 16 bundles - 2,016m                      |

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

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