

**SHIELDJOINT ADJUSTABLE**



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### PRODUCT DESCRIPTION & USES

SHIELDJOINT 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 one half top wave assembly and the other has the other half top wave assembly, 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 the top wave plates which create a seamless floor thus eliminating impact loads when traversed. The top wave plates are anchored to the concrete by perforated angled wings.

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 of joints are accommodated by a common intersection post that creates a corner, tee and 4 way.

### MATERIAL SPECIFICATION

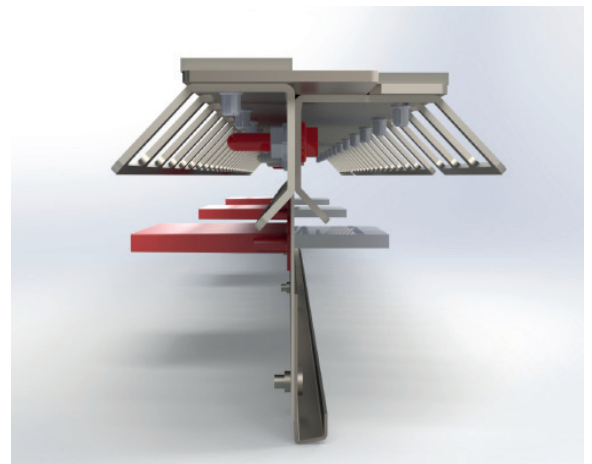
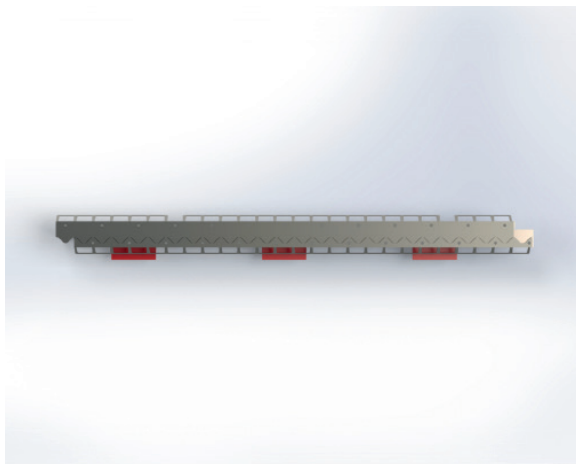
COMPONENT	MATERIAL
TOP PLATES	HOT ROLLED & COLD ROLLED STEEL (CAN BE SUPPLIED IN STAINLESS STEEL OR HOT DIP GALVANISED)
FRANGIBLE FASTENER	NYLON
DIVIDER PLATE	STEEL DC01 TO BS EN 10130:2006
LOAD TRANSFER DOWEL PLATE	8MM & 12MM - S355 STEEL TO BS EN 10025-2:2004
SLEEVE	8MM & 12MM - PP

### TECHNICAL DATA

DESCRIPTION	DIMENSION & TOLERANCE
JOINT LENGTH	1950MM +/-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.

### PLAN AND END VIEW IMAGES



**ZERO IMPACT AND NO JOINT SEALING**


SHIELDJOINT is unique since it eliminates impact across the joint from Mechanical Handling Equipment (MHE) such as forklift trucks, but it also does not require any joint sealing. It's clever design ensures that no debris can enter in to the vertical gap between the two slabs. This design feature is useful in foodstuff warehouses where pest control is a paramount or food preparation areas (available in stainless steel).

SHIELDJOINT is an excellent solution for high traffic areas such as loading docks, doorways or VNA aisles where a seamless floor is required. A floor can be future-proofed for any possible end use by installing SHIELDJOINT.

The shape of the wave is engineered such that even the smallest pallet wheeled trucks do not cause an impact.

**PACKAGING INFORMATION**
**3 X 8MM DOWELS (650MM CENTRES)**

JOINT (MM)	QTY & METRES OF JOINT PER BUNDLE	APPROX BUNDLE WEIGHT INC PACKAGING (KG)	MAX NO OF BUNDLES & METRES PER TRUCK
100-130MM	45 OFF - 135M	1469 KG	16 BUNDLES - 1404M
130-150MM	45 OFF - 135M	1500 KG	16 BUNDLES - 1404M
150-200MM	45 OFF - 135M	1521 KG	15 BUNDLES - 1316M
200-250MM	36 OFF - 135M	1275 KG	18 BUNDLES - 1264M
250-300MM	27 OFF - 135M	1062 KG	22 BUNDLES - 1158M
300-350MM	18 OFF - 135M	763 KG	24 BUNDLES - 842M

**3 X 12MM DOWELS (650MM CENTRES)**

JOINT (MM)	QTY & METRES OF JOINT PER BUNDLE	APPROX BUNDLE WEIGHT INC PACKAGING (KG)	MAX NO OF BUNDLES & METRES PER TRUCK
100-130MM	45 OFF - 135M	1563 KG	14 BUNDLES - 1229M
130-150MM	45 OFF - 135M	1594 KG	14 BUNDLES - 1229M
150-200MM	45 OFF - 135M	1615 KG	14 BUNDLES - 1229M
200-250MM	36 OFF - 135M	1350 KG	17 BUNDLES - 1193M
250-300MM	27 OFF - 135M	1118 KG	21 BUNDLES - 1106M
300-350MM	18 OFF - 135M	801 KG	24 BUNDLES - 842M