

Connolly Combination Steel and PE Foam Expansion Joint 100mm x 3m

Product Images



Short Description

Expansion joint, 10mm foam, 100mm height x 3m length for 100mm slab thickness. Includes 4 x 350mm pegs and wedges.

Description

Connolly Key Joint can be used for forming expansion joints in continuous pour applications in addition to conventional end-of-pour situations.

This expansion joint gains its strength from a rigid steel backing profile, with the expansion capability provided by closed cell foam adhered to the face of the metal profile.

This system provides a rigid and strong product that produces straight clean lines. The expansion joint is fixed in place with a peg and wedge fixing system, making installation fast and simple and providing accurate height adjustment.

Unlike key joints with foam applied to one side of the product, this product produces a full depth straight joint. A purpose-built dowelling system eliminates any keyways in the joint and provides positive load transfer across the finished product.

Features and Benefits

- Allows for continuous pours
- Rigid steel profile produces straighter joints
- A full depth straight joint is obtained
- Complimentary dowel system
- Quick & easy to set up
- Uses standard peg & wedge fixing

Installation

Position expansion joint in desired location and drive in the supplied pegs.

Adjust the expansion joint to the correct height and secure by tapping in the supplied wedges.

Push dowels through the foam at the centre of the pre-punched holes in the metal profile and twist sleeve 90° to fix in place.

Place reinforcement and pour concrete to both sides of the joint. Finish concrete surface to the top of the expansion joint (NOT OVER IT). Always pour concrete evenly to both sides of the joint and ensure concrete is compacted into the sides of the joint.

Ideal for any and all continuous pour applications where the need for expansion is required. Note that the 12mm sleeves can also be nailed to timber formwork for use at construction joints.

Specifications

Type	100	125	150	200
STEEL BASE				
Material	Galvanised steel 200g/m ²	Galvanised steel 200g/m ²	Galvanised steel 200g/m ²	Galvanised steel 200g/m ²
Lengths	3.0m standard, custom lengths also available	3.0m standard, custom lengths also available	3.0m standard, custom lengths also available	3.0m standard, custom lengths also available
EXPANSION MATERIAL				
Material	10mm thick closed cell PE foam	10mm thick closed cell PE foam	10mm thick closed cell PE foam	10mm thick closed cell PE foam
Height	100mm (for 100mm slab thickness)	125mm (for 125mm slab thickness)	150mm (for 150mm slab thickness)	200mm (for 200mm slab thickness)
LOAD TRANSFER				
Mechanism	12mm Dia. friction cut hot dipped galvanised dowels 300mm long at 335mm centres	16mm Dia. friction cut hot dipped galvanised dowels 450mm long at 450mm centres. * Pre-formed 'knockout' hole(s) available at 150mm centres/spacings. 'Knockouts' suit Connolly dowel sleeves and dowel bars in 16mm round, 16mm square, 20mm round, 20mm square, 24mm round and 33mm round.	16mm Dia. friction cut hot dipped galvanised dowels 450mm long at 450mm centres. * Pre-formed 'knockout' hole(s) available at 150mm centres/spacings. 'Knockouts' suit Connolly dowel sleeves and dowel bars in 16mm round, 16mm square, 20mm round, 20mm square, 24mm round and 33mm round.	24mm Dia. friction cut hot dipped galvanised dowels 450mm long at 450mm centres. * Pre-formed 'knockout' hole(s) available at 150mm centres/spacings. 'Knockouts' suit Connolly dowel sleeves and dowel bars in 16mm round, 16mm square, 20mm round, 20mm square, 24mm round and 33mm round.
Method of Debonding	Twist-fix sleeve with integral support stand to suit dowels as above.	Twist-fix sleeve with integral support stand to suit dowels as above.	Twist-fix sleeve with integral support stand to suit dowels as above.	Twist-fix sleeve with integral support stand to suit dowels as above.
FIXING SYSTEM				
Pegs & Wedges	Standard Connolly Pegs & Wedges 350mm long (4 per pack)	Standard Connolly Pegs & Wedges 350mm (4 per pack)	Standard Connolly Pegs & Wedges 350mm long (4 per pack)	Standard Connolly Pegs & Wedges 390mm long (4 per pack)
SEALANT CAPABILITY				
Rebate Mould*	Optional extra 16mm wide x 10mm deep - Rigid Poly Vinyl Chloride (PVC)	Optional extra 16mm wide x 10mm deep - Rigid Poly Vinyl Chloride (PVC)	Optional extra 16mm wide x 10mm deep - Rigid Poly Vinyl Chloride (PVC)	Optional extra 16mm wide x 10mm deep - Rigid Poly Vinyl Chloride (PVC)

Permanent Capping Strip* - available in black and grey - width=16mm. *Recommended for 125, 150 and 200 only.

Please contact Jaybro for a quote on your specific project.

Additional Information

CODE	40-EXJ10030
U.O.M	Each
Type	100mm
Finish	Galvanized with Foam Backing
Brand	Connolly
Overall Height	100 mm

