

BOND TIE



The BOND TIE uses the PVC outer leaf expander of the Fastie with an inner leaf fixing designed for use with resin materials. Bondties are used widely for applications where the inner leaf is of weaker, softer or perforated materials and the outer leaf is soft brick or block.

The Bondtie is manufactured from A2, 300 series austenitic stainless steel with the inner leaf fixing threaded for setting in SPIT C-Mix Plus resin. This stable resin does not contract or dry out and is supplied in 380ml cartridges for hand application with an applicator gun. After setting of the resin, the inner leaf connection can be tested for pull out load, prior to setting the outer leaf expander.

BOND TIE SPECIFICATIONS

Code	Drill Ø mm	Tie length mm	Nominal cavity width mm	Ultimate kN		
				Concrete	Brick 15N/mm	Block >7N/mm
95101	12	200	45 - 70	7	6	5
95102	12	225	70 - 95	7	6	5
95103	12	255	100 - 120	7	6	5

THE BENEFITS

- Corrosion resistant
- Economical
- Quick and easy to install
- Manufactured to BS EN ISO 9000
- Applied from exterior of building
- M6 thread-high buckling strength
- Unique convex shape expander
- 12mm hole for neat finish
- Easy to pump resin over cavity due to size

TECHNICAL INFORMATION

SPECIFICATIONS:

Material A2, 300 series,
Austenitic Stainless Steel
Expanders 12mm diameter PVC to
BS2848

The PVC resists chemical attack
and is impervious to mould
growth, drying or shrinking
Thread diameter of Rod M6

ACCESSORIES:

99401 Hex Setting Tool
96825 Fixed Head Torque Wrench
99549 Delivery Tube
06599 Hand Air Pump

TORQUE SETTING:

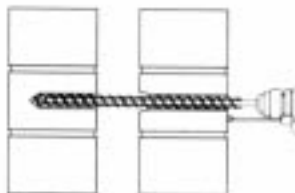
6.8Nm (5lb.ft)

RESIN CURE TIMES

15 minutes at 25°C

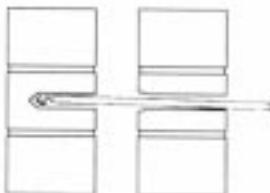
45 minutes at 10°C

APPLICATION METHOD



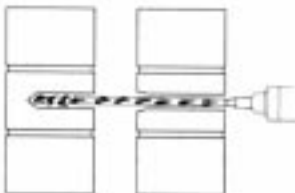
DRILL

Drill 12mm diameter hole in brickwork within 10° upwards, setting depth gauge on drilling machine to give 60mm hole depth in inner leaf.



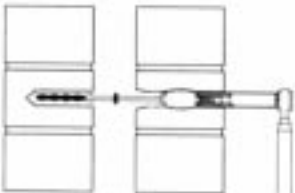
BLOW OUT

Blowing out hole is critical to allow resin to key in and bond to surface of the hole.



RESIN INNER

Apply SPIT C-Mix Plus resin to inner leaf, slowing withdrawing nozzle until it is clear of the inner leaf mark. Insert Tie. Allow time for resin to set before setting outer expander.



SET OUTER

Fit hex setting tool (99041) on to torque wrench and set outer expander by tightening nut until pre-set torque is reached. Seal outer brick with colour matching mortar.