

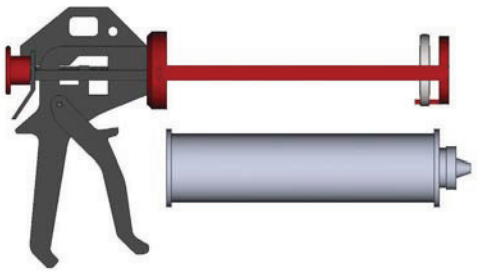


## WINCRO REMEDIAL TIES

The Wincro range of remedial wall ties are intended to provide an economic repair solution where traditional cavity wall ties have failed.

Wincro offer an extensive range of remedial ties systems suitable for all purposes that are quick, cost-effective and easy to install. Further information is available from our Technical Design Team.

<p><b>1.0</b> <b>WTRWT Wavy Tail Tie</b></p> <p>For use where new/replacement brickwork is built off existing masonry. Wavy end is resin fixed back to inner leaf.</p> <p>Lengths (mm) 175, 200, 225 – other sizes manufactured to order. Standard embedment 85mm. Required hole 10mm diameter.</p> <p>Also available, Cranked Wavy Tail Tie where tie is cranked by 25mm. Specify WTRWC/length</p>	 <p style="text-align: right;">1.0</p>															
<p><b>2.0</b> <b>WTRCC Double Wavy Tail Tie</b></p> <p>For use where mechanical ties are not viable. Resin grouted into both leaves.</p> <p>Lengths (mm) 175, 200, 225 – other sizes manufactured to order. Standard embedment 75mm. Required hole 10mm diameter.</p> <p>Also available, Ribbed Bar Tie 8mm diameter, lengths manufactured to order. Specify WTRRB/length</p>	 <p style="text-align: right;">2.0</p>															
<p><b>3.0</b> <b>Remedial Tie Accessories</b></p> <p>Wincro Resin-Fix Accessories for remedial tie installation</p> <p><b>WBRC / 380</b> Resin Cartridge 380ml &amp; nozzle</p> <p><b>WBTLAG / 380</b> Hand Applicator Gun to suit</p> <p><b>WBTLRNZ</b> Nozzles</p> <p><b>WBTLBP</b> Blow Out Pump</p> <p><b>WBTLRET</b> Extension Delivery Tube (10 off 290mm)</p> <p>Wincro Remedial Tool Accessories for remedial tie installation</p> <p><b>WBTLTS</b> Threaded Setting Tool</p> <p><b>WBTLHS</b> Hexagon Setting Tool</p> <p><b>WBTLWS</b> Wood Tie Setting Tool</p> <p><b>WBTLAD</b> SDS<sup>1/4"</sup> Square Drive Adaptor</p> <p><b>WBTLTWF</b> Fixed Head Torque Wrench</p> <p><b>WBTLTWP</b> Pre-set Torque Wrench (ratchet)</p>	 <p style="text-align: right;">3.0</p> <table border="1" data-bbox="614 1780 1388 2027"> <thead> <tr> <th colspan="2">3.1 WBRC RESIN CARTRIDGE USAGE (ESTIMATED FIXINGS PER CARTRIDGE)</th> <th>*figures depend on condition of substrate</th> </tr> <tr> <th>Hole Diameter</th> <th>Hole Depth</th> <th>Approx. Number of fixings per 380ml Cartridge (WBRC / 380)</th> </tr> </thead> <tbody> <tr> <td>10mm</td> <td>75mm</td> <td>120</td> </tr> <tr> <td>12mm</td> <td>75mm</td> <td>80</td> </tr> <tr> <td>14mm</td> <td>100mm</td> <td>45</td> </tr> </tbody> </table>	3.1 WBRC RESIN CARTRIDGE USAGE (ESTIMATED FIXINGS PER CARTRIDGE)		*figures depend on condition of substrate	Hole Diameter	Hole Depth	Approx. Number of fixings per 380ml Cartridge (WBRC / 380)	10mm	75mm	120	12mm	75mm	80	14mm	100mm	45
3.1 WBRC RESIN CARTRIDGE USAGE (ESTIMATED FIXINGS PER CARTRIDGE)		*figures depend on condition of substrate														
Hole Diameter	Hole Depth	Approx. Number of fixings per 380ml Cartridge (WBRC / 380)														
10mm	75mm	120														
12mm	75mm	80														
14mm	100mm	45														

4.0



**Application Method**

1. Drill 12mm diameter hole in brickwork within a ± 10° tolerance, setting depth gauge on drilling machine to give between 55/65mm hole depth in inner leaf.
2. Set Inner – Blow out hole, screw threaded setting tool (WBTLTS) on to M6 thread on tie and insert the tie to full depth of hole in inner leaf. Tighten inner expander with pre-set torque wrench (WBTLTWF). Remove setting tool.
3. Set Outer – Fix hex setting tool (WBTLHS) on to torque wrench (WBTLTWF) and set outer expander by tightening nut until pre-set torque is reached. Seal outer brick with colour matching mortar.

**Technical Information Specification:**

Material A2, 300 series, Austenitic Stainless Steel. Expanders 12mm diameter Thread diameter of Rod M6. Note: A4 can be manufactured to order. Accessories needed: WBTLTS Threaded Setting Tool, WBTLHS Hexagon Setting Tool, WBTLTWF Fixed Head Torque Wrench. Torque Setting: 6.8 Nm (5lb.ft). **Note:** Drill bits conform to DIN 8035.

4.0

**WTRBB Brick to Brick Tie**

Features unique expansion system that results in low radial stresses when tying together two leaves of solid material.

4.1 WTRBB BRICK TO BRICK TIE		
Product Code	Tie Length mm	Cavity Width mm
WTRBB200	200	45/70
WTRBB225	225	70/95
WTRBB255	255	100/120

5.0



**Application Method**

1. Drill 12mm diameter hole in brickwork within a ± 10° tolerance, setting depth gauge on drilling machine to give between 55/65mm hole depth in inner leaf.
2. Set Inner - Blow out hole, insert the tie to full depth of hole in inner leaf. Fit hex setting tool (WBTLHS) on to torque wrench (WBTLTWF). Tighten inner expander with pre-set torque nut. After shearing off the torque nut continue turning the setting tool (WBTLTS) until wrench indicates you have reached the pre-determined torque for outer leaf. Remove setting tool.

**Technical Information Specification:**

Material A2, 300 series, Austenitic Stainless Steel. Expanders 12mm diameter Thread diameter of Rod M6. Note: A4 can be manufactured to order. Accessories needed: WBTLHS Hexagon Setting Tool, WBTLTWF Fixed Head Torque Wrench. Torque Setting: 6.8 Nm (5lb. ft). **Note:** Drill bits conform to DIN 8035.

5.0

**WTRTQ Torque Tie**

Features a unique setting system for fast installation. Suitable in solid base materials.

5.1 WTRTQ TORQUE TIE		
Product Code	Tie Length mm	Cavity Width mm
WTRTQ200	200	45/70
WTRTQ225	225	70/95

6.0



**Application Method**

1. Drill 12mm diameter hole in brickwork within a ± 10° tolerance, setting depth gauge on drilling machine to give between 55/65mm hole depth in inner leaf.
2. Set Inner – Blow out hole, screw threaded setting tool (WBTLTS) on to M6 threaded on tie and insert the tie to full depth of hole in inner leaf. Tighten inner expander with pre-set torque wrench. Remove setting tool.
3. Set Outer – Fit hex setting tool (WBTLHS) on to torque wrench and set outer expander by tightening nut until pre-set torque is reached. Seal outer brick with colour matching mortar.

**Technical Information Specification:**

Material A2, 300 series, Austenitic Stainless Steel. Expanders 12mm diameter PVC to BS2848. The PVC is impervious to mould growth drying or shrinking and resists chemical attack. Thread diameter of Rod M6. Accessories needed. WBTLTS Threaded Setting Tool, WBTLHS Hexagon Setting Tool, WBTLTWF Fixed Head Torque Wrench. Torque Setting: 6.8 Nm (5lb. ft). **Note:** Drill bits conform to DIN 8035.

6.0

**WTRPE PVC Expander Tie**

For use when the inner leaf is of weaker, softer, perforated or low-density material and the outer leaf is good quality solid brick or concrete. The inner leaf fixing uses resin materials.

6.1 WTRPE PVC EXPANDER TIE		
Product Code	Tie Length mm	Cavity Width mm
WTRPE200	200	45/70
WTRPE225	225	70/95
WTRPE255	255	100/120