

# WINCRO MOVEMENT TIES

## VERTICAL MOVEMENT JOINTS

At vertical movement joints the use of de-bonding sleeves on plain ended wall ties play a dual role, masonry is allowed to expand or contract while at the same time the tie restrains the masonry against lateral wind loads. The Wincro WDS de-bonding sleeves, are used at joints where there can be horizontal movement. Wincro recommends that de-bonding sleeves are installed with a 10mm gap at the end to allow for expansion.

All structures are subject to movement after construction because of influences ranging from temperature to ground movement and differential settlement. It is essential, therefore, that provision for movement is made at the design stage, and that it is made bearing in mind the overall stability of the structure.

Fixed at 450mm vertical centres

1.0

1.1

450mm vertical centres

450 to 900mm centres

1.2

900mm horizontal centres

1.3

### 1.0 / 1.1 / 1.2 / 1.3

- 1** WC23 Cast-in Channel
- 2** WTP3C23 Channel Tie (with WDS De-bonding Sleeve) at 450mm vertical centres
- 3** WTT2U Frame Cramp (with 2 WDS De-bonding Sleeves)
- 4** WT2 Wall Tie
- 5** WIC Insulating Retaining Clip
- 6** WTS2U Frame Cramp at 450mm vertical centres
- 7** WIP Isolation Patch
- 8** WTP3U (with WDS De-bonding Sleeve)
- 9** WTP3P (incl 2 No.WDS De-bonding Sleeve)
- 10** WT1 Wall Tie
- 11** WC28 Channel fixed to steelwork with WBSD zinc plated self-drilling self-tapping screw

**WTS3P** 2.0

**WTP3U** 3.0

**WTP3P** 4.0

**WTP3C28 (with WC28 Channel)** 5.0

### 2.0 / 3.0 / 4.0 / 5.0

Specify:

- 2.0 WTS3P** (incl WDS) Lengths (mm) 150, 175, 200, 225, 250
- 3.0 WTP3U** (incl WDS) Projections (mm) 100, 125, 150, 175, 200, 225, 250, 275, 300
- 4.0 WTP3P** (incl 2 No.WDS) Lengths (mm) 150, 175, 200, 225, 250, 275, 300. Manufactured to required lengths
- 5.0 WTP3C28** (incl WDS) Projections (mm) 100, 125, 150, 175, 200, 225