



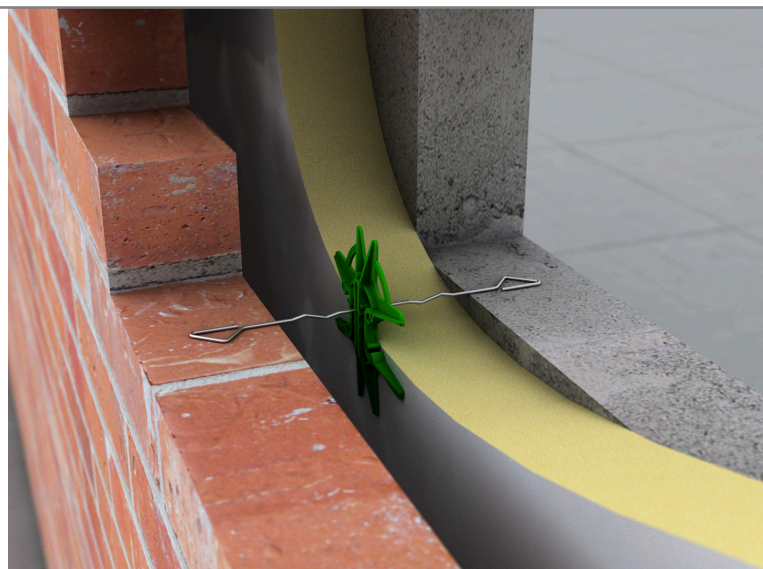
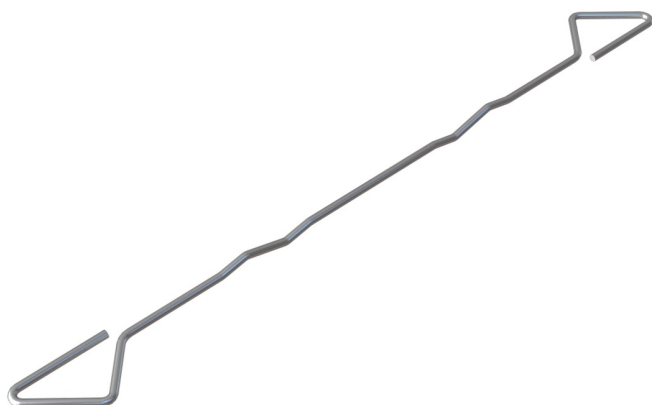
VE4 Light Duty Housing Tie 275mm

Data sheet

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Masonry to Masonry Wall Ties

These products act to secure two leaves of a cavity wall to each other, allowing them to act as one structurally. A cavity tie usually incorporates some mechanism, (usually a change of shape) to discourage moisture moving across the tie. Most cavity ties are available with a dedicated clip to secure insulation (usually in sheet form) within the cavity.



Product

VE4 Light Duty Housing Tie 275mm

The Vista Light Duty Housing Tie 275 (VE4-275-STST) features a split drip, meaning that no matter the thickness of insulation used during construction, there will always be a drip present in the clear cavity. As a result, this will ensure that moisture does not travel across the cavity.

Its categorisation as a Type 4 tie means the VE4 has a maximum building height of 10m and is suitable for buildings on flat sites where the basic wind speed does not exceed 25m/s and altitude is not > 150m above sea level.

275mm Wall Ties supplied by Vista Engineering Limited, were tested in accordance with BS EN 846-6 Methods of Test for Ancillary Components for Masonry. Part 5; Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (Couplet test).

Part E - Type A ties for party or external walls

The VE4 Housing Tie 275mm has also been tested and has a measured dynamic stiffness of 4.65MN/m³ for use in a 150mm cavity (275mm, meaning they are classed as a Type A tie in Part E. Therefore our VE4 tie meets the robust detail requirements.

Test Results

Summary of Declared Values of Vista Engineering Limited, VE4 275mm tie. The ties were tested in tension over a cavity width of 150 mm. In compression, the ties were tested over the same cavity width as for the tension tests plus 15 mm, ie 165 mm.

Load Direction	Maximum Declared Value at Ultimate load (N)
275mm	
Tension	1640N
Compression	380N

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