

General Purpose Wall Tie

Product Description/ Specification:

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:

General Purpose Wall Tie

Multidrip feature to prevent moisture travelling across the cavity. The design means that the tie can be installed either way up. 250mm long and 3.3mm & 225mm long 3.0mm diameter stainless steel Wall Ties, were tested in tension and compression over a nominal cavity width of 125mm & 100mm respectively 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 B ties for external walls where a Type A tie is not suitable

These ties must either be double triangle tie to BS1243 (only used in 50mm-75mm cavities) or ties with a measured dynamic stiffness of $<113\text{MN/m}^3$ taking both cavity width and tie density into account.

Tests at Ceram Building Technology have proved that the General Purpose Tie has a measured dynamic stiffness of 12.5MN/m^3 in a 100mm cavity and is therefore more than suitable for external walls at a standard density of 2.5 per square metre.

Test Results:

3.3mm diameter, 250mm long & 3.0mm diameter, 225mm long ties tested in tension and compression at a standard cavity width of 125mm & 100mm respectively.

Load Direction	Maximum Declared Value at Ultimate Load (N)
250mm Tension reading	
Tension	1818
Compression	1398
225mm Tension reading	
Tension	2436
Compression	1510