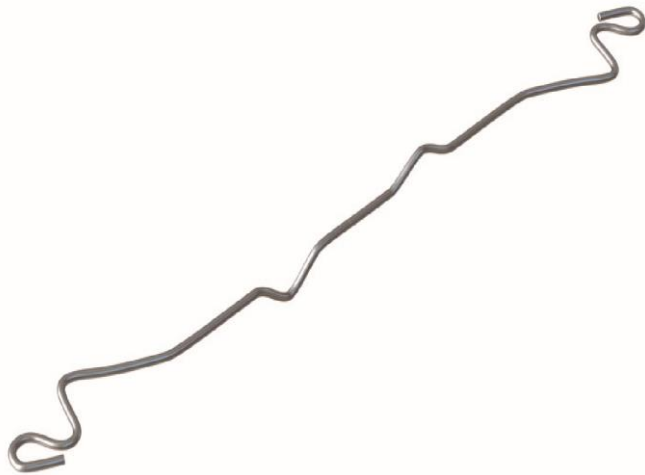


## Masonry to Masonry Wall Ties

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

#### EN2 General Purpose Wall Tie

Multidrip feature to prevent moisture travelling across the cavity. The design of the tie means it can be installed either way up. Its categorisation as a Type 2 tie means the EN2 has a maximum building height of 15m and is suitable for flat sites where the basic wind speed is up to 31m/s and altitude is not > 150m above sea level.

Size	Cavity Width
200mm	50-75mm
225mm	76-100mm
250mm	101-125mm
275mm	126-150mm

Type B ties are used for external walls where a Type A is not suitable. These ties must either be a double triangle tie to BS1243 (only used in 50-75mm cavities) or ties with a measured dynamic stiffness of <math><113\text{MN/m}^3</math>. Vista's EN2 General Purpose Tie has a measured dynamic stiffness of  $12.5\text{MN/m}^3$  in a 100mm cavity, therefore making all Vista EN2's suitable for external walls at a standard density of 2.5 per square metre.

### Performance

Summary of Declared Values, 250mm (3.3mm diameter) and 225mm & 200mm long (3.0mm) ties tested in tension and compression at a standard cavity width of 125mm, 100mm & 75mm respectively. Tests carried out in accordance with BS EN 846-6 Methods of Test for Ancillary Components for Masonry. Part characteristics of wall ties (Couplet test). 5; Determination of tensile and compressive load capacity and load displacement.

Load Direction	Maximum Declared Value at Ultimate Load (N)
<b>250mm</b>	
Tension	<b>1818</b>
Compression	<b>1398</b>
<b>225mm</b>	
Tension	<b>2419</b>
Compression	<b>1321</b>
<b>200mm</b>	
Tension	<b>2149</b>
Compression	<b>1321</b>