

**NEW  
CARDBOARD  
BOXES**  
Reducing Plastic  
on Site

# BrickTies

## Medium Duty Economy Pack



**250 ties**  
**250 screws**

Easy to stack  
and carry boxes.

New cardboard  
boxe to reduce  
plastic on site.

**Complies to AS/NZS2699.1.2000.**

### Applications

- Used to tie any masonry veneer to a structural frame
- Suitable for Dry and Wet Bed applications

### Physical Properties

- Medium Duty Economy Pack
- Tie size: 90mm
- Hot dipped galvanised

The following is to be used as a guide only:

Horizontal	Vertical
400mm	500mm
450mm	450mm
600mm	400mm

Approx. 5 brick ties per m<sup>2</sup> | 100 ties per 1000 bricks

Seismic Veneer Tie Classification	Minimum Characteristic axial stiffness kN/mm axial stiffness kN/mm	Minimum Characteristic axial strength the end of 4th (10mm tension cycle) kN	Minimum Characteristic residual strength (at end of 15mm cycle) kN
<b>Medium Duty (EM)</b>	<b>0.175</b>	<b>0.750</b>	<b>0.550</b>

Seismic Zone	Masonry Veneer Less than 180 kg/m <sup>2</sup>		Masonry Veneer Less than 180 - 200 kg/m <sup>2</sup>		Masonry Veneer More than 220 kg/m <sup>2</sup>
	Tie Type (4) (5)	Maximum Spacings (1)	Tie Type (4) (5)	Maximum Spacings (1)	
Refer NZS 3604		<b>Horizontal</b> <b>Vertical</b>	<b>EM</b>	<b>600</b> <b>400</b>	<b>SED (2)</b>
1	EL	600    400	EH (3)	600    400	SED (2)
<b>2 (6)</b>	<b>EM</b>	<b>600</b> <b>400</b>	EH (3)	600    400	SED (2)
3	EH (3)	600    400			
4	SED (2)	SED (2)    SED (2)			

- (1) Maximum masonry tie spacings of 600mm horizontally and 400mm vertically
- (2) Spacing of ties to be determined by specifically engineered design
- (3) EM may be used if the horizontal spacings do not exceed 400mm and the vertical spacings do not exceed 300mm
- (4) Type B and Prefix E indicate masonry ties manufactured to AS/NZS 2699.1
- (5) L (Light) and M (Medium), H (High) indicate strength quality of the ties in AS/NZS 2699.1
- (6) Use seismic zone 2 (minimum) for Christchurch region comprising Christchurch City, Waimakariri District and Selwyn District

### COMMENT

Variations in cavity width will require compensating adjustments to the length of masonry tie used.

### 9.2.7 Wall Ties

Masonry veneer shall be attached to wall framing by wall ties. Wall ties and their spacings and embedment shall be in accordance with the requirements of NZS 4210 and Tables 18A, 18B and 18C. Screw fixings shall be minimum 12 gauge, 35mm long hex washer face, galvanised or stainless steel to suit the ties required under Table 18C.

**Masons Code:** TIE90MD250  
**250 ties | 250 screws**



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