Table 5.6.5a: Wall tie spacings in masonry veneer

Direction	Wall tie spacing	
	450 mm wall stud spacing	600 mm wall stud spacing
Horizontal	Maximum 450 mm	Maximum 600 mm
Vertical	Maximum 600 mm	Maximum 400 mm

Table Notes

Wall ties that are suitable for higher duties are also suitable for use in lower duty conditions.

Table 5.6.5b: Wall tie spacing in cavity and solid masonry

Direction	Wall tie spacing (maximum)	
	Cavity masonry	Solid or monolithic masonry
Horizontal	600 mm	400 mm
Vertical	600 mm	400 mm

Table Notes

Wall ties that are suitable for higher duties are also suitable for use in lower duty conditions.

Table 5.6.5c: Placement of wall ties

Location	Placement of wall ties
Unsupported panel sides and edges of openings	Within 300 mm of panel side or edge
Top of veneer panels and top of panels under openings	Within 300 mm or two courses (whichever is the lesser) of the top of veneer
Bottom of veneer panel in masonry rebate sealed with liquid applied *damp-proof course*	Within 300 mm or two courses (whichever is the lesser) from the bottom of the veneer
Bottom of veneer panel supported on steel lintel	
Bottom of veneer panel in masonry rebate with membrane *damp-proof course*	In each of the first two courses
Intersection of *internal walls* and *external walls*	350 mm vertically or 3-4 courses
Where articulation joints occur	At both sides of the articulation joint within 300 mm from the joint
Engaged piers	Within 200 mm of the top of the pier

Table Notes

(1) Ties to be embedded a minimum of 50 mm into each masonry leaf.

(2) Masonry wall ties must be installed in such a manner as to prevent moisture travelling along the tie to the inner leaf of masonry or the frame.

Table 5.6.5d: Corrosion protection for wall ties

Exposure condition	Tie specification (minimum corrosion protection)
Areas less than 1km from *breaking surf*; or less than 100 m from salt water not subject to *breaking surf*; or within heavy industrial areas.	Grade 316L stainless steel; or engineered polymer complying with the requirements of AS 2699.1.
Areas 1km or more but less than 10km from *breaking surf*; or 100m or more but less than 1km from salt water not subject to *breaking surf*.	Sheet steel and bar ties galvanised after manufacture - 470 g/m^2 on each side; or galvanised wire ties - 470 g/m^2 coating mass; or Grade 304L stainless steel.
All other areas	Galvanised sheet steel - 300 g/m^2 coating on each side; or sheet steel ties galvanised after manufacture - 300 g/m^2 on each side.