MASONS UNI® AND UNI® PLUS FLEXIBLE AIR BARRIER

FIXINGS GUIDE

V3.0 SEPT 2023

MASONS
Designed Smart, Built Tough.

TABLE 1: FIXING TABLE

Stud centres (mm)	Fixings on studs (mm)	Minimum nogs centre (mm)	Perimeter fixing all around	Wind Zone	Fixing on nogs	Fixings
600	Nail at 450 mm centres	800	Nail at 300 mm centres	Low/ Medium	Nail at centre	25 mm nails with plastic washer
450	Nail at 500 mm centres	800	Nail at 300 mm centres	Low/ Medium	Nail at centre	25 mm nails with plastic washer
400	Nail at 450 mm centres	800	Nail at 300 mm centres	Low/ Medium	Nail at centre	25 mm nails with plastic washer
600	Nail at 300 mm centres	800	Nail at 300 mm centres	High	Nail at centre	25 mm nails with plastic washer
450	Nail at 350 mm centres	800	Nail at 300 mm centres	High	Nail at centre	25 mm nails with plastic washer
400	Nail at 300 mm centres	800	Nail at 300 mm centres	High	Nail at centre	25 mm nails with plastic washer
400	Nail at 250 mm centres	800	Nail at 300 mm centres	Low/ Medium/ High/ Very High	Nail at centre	25 mm nails with plastic washer
300	Nail at 300 mm centres	800	Nail at 300 mm centres	Low/ Medium/ High/ Very High/ Extra High	Nail at centre	25 mm nails with plastic washer
300	Nail at 250 mm centres	800	Nail at 300 mm centres	Low/ Medium/ High/ Very High/ Extra High	Nail at centre	25 mm nails with plastic washer
300, 400, 450, 600	Vertical timber battens with nails at 400 mm centres	800	Timber batten with nails at 300 mm centres	Low/ Medium/ High/ Very High/ Extra High	Timber battens with nails at 400 mm centres (2 nails min)	Vertical timber batten – 20 x 45 SG8 Nails – 60 2.8 ring shank galvanised

NOTE:

Horizontal timber battens - Similar holding power to Cap Nails. Use chart above for stud centres and fixing intervals.

Vertical continuous timber battens have substantial holding power. Cap Nails may be used in conjunction. **James Hardie CLD battens** may be used as an alternative to vertical timber battens.- Fixing intervals as stated by James Hardie.

Do NOT use staples or CAP Staples, our testing has shown these leak and have poor holding power.

UNI Fixing - Brick Veneer - High Stud - Single Row of Nogs

UNI Wall Underlay System Testing Results and Wind Pressure Recommendation

The following test results were observed, and their wind zones:

TABLE 2: FIXING TABLE

Stud centres (mm)	Stud Height (mm)	Nog Locations	Perimeter Fixing All Around	Fixing on Nog	Fixings	Capable of Out-of Plane Wind Pressure Referred to in NZS3604:2011
600	2820	Single Nog at Mid-Span	Nails at 250mm centres	Nails at 250mm centres	25mm nails with 25mm green washer	L M
600	2820	Single Nog at Mid-Span	Nails at 200mm centres	Nails at 200mm centres	25mm nails with 25mm green washer	L M H
600	2820	Single Nog at Mid-Span	Nails at 210mm centres	Nails at 210mm centres	25mm nails with 25mm green washer	L M H
400	2820	Single Nog at Mid-Span	Nails at 250mm centres	Nails at 250mm centres	25mm nails with 25mm green washer	L M
400	2820	Single Nog at Mid-Span	Nails at 200mm centres	Nails at 200mm centres	25mm nails with 25mm green washer	L M H
400	2820	Single Nog at Mid-Span	Nails at 150mm centres	Nails at 150mm centres	25mm nails with 25mm green washer	L M H VH

NOTE:

Established via testing. Engineers report available.

Codemark update pending.

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