



MASONS
Designed Smart, Built Tough.

Barricade Weather Defense System



A premium weather-resistive rigid air-barrier system for residential and commercial buildings.

Masons Barricade Weather Defense is a three-part system, comprising Masons' 6mm and 9mm fibre cement panels, Barricade Weather Defense self-adhesive weather-resistive barrier wrap, and flashing tapes for openings.

The rigid underlay, covered with our water, air and UV resistant self-adhesive wrap, allows construction work to get started inside the building. Interior and exterior trades can work in parallel to speed up programmes, while protecting the building from weather whilst there is no cladding in place.

Masons Barricade Weather Defense contributes to the building moisture management design. It provides a substantial secondary defense against intrusion of moisture and air for the life of the building.



STAY ON TRACK WITH YOUR BUILD If cladding is delayed

150 DAYS

TEMPORARY WEATHER PROTECTION For up to 150 days



STRONG
Suitable for all wind zones*



ROBUST AND SECURE
Plus EQ and wind bracing units

TYPICAL APPLICATIONS

Residential homes, Terrace houses, Apartments, Aged-care facilities, Commercial Buildings.

All the benefits of a modern synthetic wall underlay – highly water, air and UV-resistant – with all the best attributes of rigid wall underlay – wind and earthquake bracing units and 30-minute fire resistance rating for walls within a metre of the boundary, as tested by BRANZ.

STRENGTH

Wind and earthquake bracing units

The Barricade Weather Defense system is suitable for all wind zones in New Zealand*, depending on wall heights. When nailed according to installation instructions, fibre cement contributes bracing units to the structure and stiffens the framing for reduced strain and damage to plasterboard linings.

* Check with your structural engineer re SED wind zones

ROBUST

Masons Barricade Weather Defense brings the techniques and benefits of commercial construction to residential projects. It gives specifiers and builders a hybrid system – with the benefits of a rigid air barrier for site security and lockup, and a modern synthetic weather-resistive barrier wrap for construction continuity and long-term envelope performance.



CONTINUITY

Multiple teams can work in parallel

With a UV rating of up to 150 days, the interior teams can start even when there is a delay on cladding. Programme and sequencing flexibility means interior trades can carry on their work inside the weather-protected building before cladding is installed. And the project can be locked up securely every night to help prevent theft and vandalism.

COHESIVE

Barricade Weather Defense is a two-layer system – the 6 and 9 mm fibre cement board is fastened to the building framing, then a heavy, self-adhesive building wrap is applied, providing full coverage of all fixings and panel joints. This forms a weather-resistive barrier that does not require Z flashings or tape at joints. A single layer of Masons 40 Below Flex flashing tape is used around frame openings. Use Masons Penetration Seals and self-adhesive PVC foam or Butyl sealing tapes for any penetrations to complete the assembly.



Extra Resources

To understand the system and its installation, please find CAD files, 3D animated models, a bracing calculator, and support info on our Barricade Weather Defense System page on our website: **mpb.co.nz**. Or scan this QR Code to take you there.



Barricade WD - Self-Adhesive Wrap

Barricade WD may be used separately as a self-adhesive, weather resistive barrier over various rigid substrates or underlays.

It may be applied to dry, clean substrates in temperatures from -10 to +50°C.

See Barricade WD Technical Data Sheet for details: **mpb.co.nz**



**150
DAYS**

**UV & WEATHER
PROTECTION**
Pre-Cladding



**HIGHLY
WATER
RESISTANT**



STRONG
Suitable for all
wind zones*



BREATHABLE
Passes Water
Vapour Out



**ADVANCED
POLY-ACRYLIC
ADHESIVE**



AIR BARRIER
To Cold Air
and Moisture

THE BARRICADE WEATHER DEFENSE SYSTEM COMPONENTS

FIBRE CEMENT SHEETS

Autoclaved, asbestos free, 6mm and 9mm fibre cement boards. The sheets are installed as a non-combustible rigid wall underlay.

BARRICADE WD SELF-ADHESIVE WRAP

A three-layer polypropylene self-adhesive flexible wall underlay. Thermally bonded outer spunbonded layers to an inner layer of microporous polypropylene film. Then coated with pressure sensitive pure poly-acrylic adhesive to give superior adhesion to a variety of typical materials.

PENETRATION SEALS

Air seal flashings designed for cavity construction where pipes or wires penetrate building cladding.

40 BELOW FLEX FLASHING TAPE

Self-adhesive flashing tape to seal around windows, doors, and other joinery openings.

TAPES

PVC foam tape, or Butyl self adhesive 3.2 or 4.8 mm thick sealing tape.

CLOUTS

40mm x 2.8 gauge Stainless Steel.

SEALANTS AND FOAMS

- Fire rated wall sections use HILTI CP 606 - As per BRANZ testing
- Soudall Sealants and Expanding Foams as tested by Soudall*.

PRIMER

Barricade WD Porous surface primer.

Component	Masons Code
Fibre Cement Sheet 2.4m x 1.2m x 6mm	BWD6MMx2.4x1.2
Fibre Cement Sheet 3m x 1.2m x 6mm	BWD6MMx3.0x1.2
Fibre Cement Sheet 2.4m x 1.2m x 9mm	BWD9mm2.4x1.2
Fibre Cement Sheet 3m x 1.2m x 9mm	BWD9mm3.0x1.2
Barricade WD Self-Adhesive Wrap 1.46m x 34.1m = 50m ²	BWDSA
40 Below Flex Flashing Tape 75mm, 100mm, 150mm or 230mm x 20Lm	40FLXBELOW75x20 /100x20 /150x20 /230x20
Stainless Steel Clout 40mm x 2.8 Gauge	EX FASTENING SUPPLIER

Component	Masons Code
Penetration Seal 1-75mm or 80-170mm	PSEAL75w/PSEAL170
PVC foam tape	EX TAPE SPEC NZ
Butyl Self-Adhesive tape	EX TAPE SPEC NZ
HILTI CP 606 Fire Stop Acrylic Sealant	EX HILTI NZ
Soudal Expanding Foams	EX MASONS
Soudal Sealants**	OR SOUDAL OUTLETS NZ WIDE
Barricade WD Porous surface primer 1L	PRIMER1LTR
Barricade WD Porous surface primer 5L	PRIMER5LTR

** See list of compatible Soudal Sealants and Foams - mpb.co.nz

TO LEARN MORE

Visit mpb.co.nz
or scan the QR codes below:



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TO ORDER

Call **0800 522 533** to be put in touch
with your local Masons Rep.



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