

**NEW**



**MASONS**  
Designed Smart, Built Tough.

# Roof Underlay

High performance, fire retardant\*, self supporting and highly breathable



**50**  
YEAR  
DURABILITY



**STRONG WOVEN 3 LAYER SUBSTRATE**  
Available as 125, 140, 160, 180 and 220gsm



**VERY HIGH VAPOUR PERMEABILITY**  
Assists in the control of moisture



**SELF SUPPORTING**



**FIRE RETARDANT\***

\*VHP Maxi, Ultra, Strong, and Sturdy are fire retardant. VHP Value is not fire retardant.

**mpb.co.nz 0800 522 533**

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**MASONS**  
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# High Performance and Highly Breathable

Masons roof underlays are premium, synthetic, strong, fire retardant\*, self supporting, absorbant and highly breathable.

Their 3 pliable layers assist in the control of moisture and water vapour.



## Why choose Masons Roof Underlay?

### PREMIUM PERFORMANCE

Made from 3 layers: a very high vapour permeable water resistant membrane sandwiched between two tough layers of non-woven polyolefin fabric.

### ASSISTS IN MOISTURE CONTROL

Deflects water and air during construction and as part of the finished roof (or wall\*) designs moisture management system.

### VALUE FOR MONEY

Masons VHP Roof Underlay offers value for money, especially VHP Value.



### SELF SUPPORTING AND STRONG

All Masons VHP Roof Underlays are 'self-supporting'.

### FIRE RETARDANT

Masons VHP Maxi, Ultra, Sturdy and Strong are fire retardant, performing well in rigorous testing to pass NZ/AS1530 part 2 FI <5. VHP Value is NOT fire retardant.

### HIGHLY BREATHABLE

Highly breathable premium roof underlays for their weight, having the ability to transfer water vapour at higher rates than traditional bitumen impregnated kraft paper (black paper). This is helpful in the control of condensation.

### UV EXPOSURE

All our underlays give weather protection during construction and UV resistance for 21 days. Same day cover for roofing is best practice and highly recommended.

## Economy: VHP Value Roof Underlay

VHP Value is a high performance, self supporting, highly breathable, synthetic roof underlay. A huge upgrade from Bituminous Paper.

3 pliable layers: a very high vapour permeable water resistant membrane and two tough layers of non woven polyolefin fabric. These layers assist in the control of condensation and water vapour. VHP Value Roof Underlay is not fire retardant.



Self Supporting	Very High Vapour Permeability	High Water Resistance 100mm	UV Resistant 21 days exposure	Tear Resistant Tough



Roll size  
**100m<sup>2</sup>**  
1.5m x 66.6m

# Characteristics and Testing

	VHP® <b>Maxi</b>	VHP® <b>Ultra</b>	VHP® <b>Sturdy</b>	VHP® <b>Strong</b>	VHP® <b>Value</b>
Benefits	Very high performance. Very tough. Fire retardant.	High performance. Tough. Fire retardant.	High performance. Tough. Fire retardant.	High performance. Fire retardant.	Economy price. Huge upgrade from Bituminous Paper.
Roll Size	1.45m X 34.48m	1.45m X 34.48m	1.5m X 50m	1.45m X 51.7m	1.5m X 66.6m
Coverage	50m <sup>2</sup>	50m <sup>2</sup>	75m <sup>2</sup>	75m <sup>2</sup>	100m <sup>2</sup>
GSM +/- 5%	220	180	160	140	125
Number of Layers	3	3	3	3	3
Substrate Colour	White	White	Light grey/white	White	Light grey/white

## TESTING

Masons VHP Underlays have been tested to the requirements set out in NZS2295:2006  
Visit the MBIE website for a product certification register: [building.govt.nz](http://building.govt.nz)

Absorbency >150 g/m <sup>2</sup>	Pass	Pass	Pass	Pass	Pass
R.W.V.T <.5 MN s/g	Pass	Pass	Pass	Pass	Pass
R.W.Penetration > 100mm	Pass	Pass	Pass	Pass	Pass
Mechanical strength R4 S.S	Pass	Pass	Pass	Pass	Pass
Self Supporting	Yes	Yes	Pass	Yes	Pass
Flammability index of <5	Pass	Pass	Pass	Pass	N/A
UV exposure - Days	21	21	21	21	21
PH of Extract >5.5-8<	Pass	Pass	Pass	Pass	Pass

Meets the Performance Requirements of NZBC Clauses B2, Durability (B2.3.1 (a) 50 years, B2.3.1 (b) 15 years and B2.3.2), C3 Fire affecting areas beyond the fire source.

C3.4 (c) E2 External Moisture, and F2 Hazardous Building Materials F2.3.1/C, providing;

- Is installed in accordance with instructions and is not damaged.
- Is suitable for the cladding system used.
- Is not left exposed for more than 21 days. Same day coverage is strongly recommended.
- Is installed by, or under supervision/guidance of a Licensed Building Practitioner (LPB).
- Tested to and meets or exceeds requirements of NZS2295.

### Flammability Index

Masons VHP Roof Underlay has a NZ/AS1530 Part 2 Flammability Index of <5 .  
**Durability and Performance standards\***

\*Except VHP Value.

Description	Roll Size	Masons Code
VHP Maxi Roof Underlay (220gsm)	1.45 x 34.48m	ROOFVHPMAXI
VHP Ultra Roof Underlay (180gsm)	1.45 x 34.48m	ROOFVHPULTRA
VHP Sturdy Roof Underlay (160gsm)	1.5m x 50m	ROOFVHPSTURDY
VHP Strong Roof Underlay (140gsm)	1.45m x 51.7m	ROOFVHPSTRONG
VHP Value Roof Underlay (125gsm)	1.5m x 66.6m	ROOFVHPVALUE



## Condensation Considerations

In some region's condensation risks are higher, such as in areas of cold or high humidity.

Extra care needs to be taken in specifying the correct design and installation practices, as well as building ventilation systems to prevent excessive condensation and moisture in the roof spaces.

Always refer to the MRM Code of Practice for the latest best practise in design and installation details. See MRM Code of Practice v3.0 9.4 - Ventilation.

### FACTORS THAT INFLUENCE EXCESSIVE CONDENSATION FORMING IN ROOFING SYSTEMS

- Humid and/or cold climatic regions
- Warm/skillion roof construction (require particular attention in design and construction)
- Low roof cavity air volume and restricted air movement
- Lack of a vapour control layer if applicable
- Low pitched roof or bulk insulation
- Penetrations in the ceiling or warm air entering the roof space
- Activities within the building which create high moisture loading
- High levels of construction moisture such as concrete slab curing



These factors are beyond the control of Masons Plastabrick



## General Installation Instructions

To be read in conjunction with The MRM COP version 3.0 and NZBC E2/AS1. All installations are to be supervised by a suitably qualified LPB installer.

- Compatible with metal tile, profiled metal roof and masonry tile roof cladding.
- For roof pitches greater than 10° all Masons Roof Underlay may be run vertically or horizontally without support.\*\*
- All Masons Roof Underlay should be supported if run vertically below 10°. Minimum roof pitch 3°.
- Ensure rolls are not damaged. Store in a clean, dry place out of sunlight.
- Will provide temporary weather protection during construction (roofs 21 days) although same day coverage is strongly recommended.
- It may be installed in the rain, but take care in windy conditions due to the large sail effect.
- May be run to any length. Has a 150mm lap line.
- Can be used on roofs up to and including NZS 3604 **Extra High** wind zones.
- Unaffected by LOSP treated timber.

\*\*For Roof pitches 10° or greater, Masons **VHP Roof Underlays** may be run vertically or horizontally without support. On roof pitches below 10° Masons **VHP Roof Underlays**, may be run horizontally without support. If run vertically it must be supported. Minimum roof pitch 3°.



Call your Masons Rep for further information

Waikato, Central Region, Taranaki and Wanganui: **Arthur 021 772 925**

Coromandel, BOP, Hawkes Bay, Manuwatu, Wairapa and Wellington: **Graham 021 929 070**

West and North Auckland: **Jacqueline 021 414 100** East and South Auckland and the Far North: **John 021 558 160**

South Island: **Riki 021 786 898**

**masons.nz 0800 522 533**