



MASONS

Designed Smart, Built Tough.

Roofing Supplies

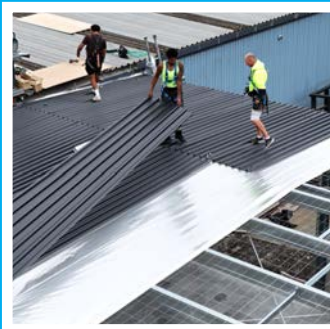
TRADE ISSUE | VOLUME 1.1

Passive Roof Ventilation System P.1

VHP Roof Underlay P.4

White-Faced Foil P.7

Roof Boot Flashings P.8



MASONS
Designed Smart, Built Tough.

Why Choose Masons

Since 1999, Masons has been a trusted name in New Zealand's building industry, recognised for delivering high-performance products and systems from the frame out, backed by expert support. With a strong focus on innovation, efficiency, and customer care, Masons has the product to support your build.

From a Passive Roof Ventilation System, to roof underlays and accessories, Masons provides roofing products that help get the job done.



For more information on any Masons Product, visit mpb.co.nz or call 0800 522 533 to speak with one of the team.



Christchurch Warehouse

Passive Roof Ventilation System

Regulates roof space temperature and reduces condensation



VENTILATION BUILT-IN

Ensures air enters at the eaves and exits at the ridge



HEALTHIER ROOF

A drier, cooler roof space and longer roof life



PREVENTS MOISTURE BUILD UP and mould growth



VERSATILE
Suits various roof types

The improved weather and air tightness of modern roof cladding and flashings contribute to warm, dry and healthy homes. But, the reduced airflow in the roof attic space can create a hidden problem – excess moisture and condensation in the roof space.

Without adequate ventilation, moisture builds up, creating the perfect conditions for mould growth. Good roof space ventilation is crucial in preventing this.

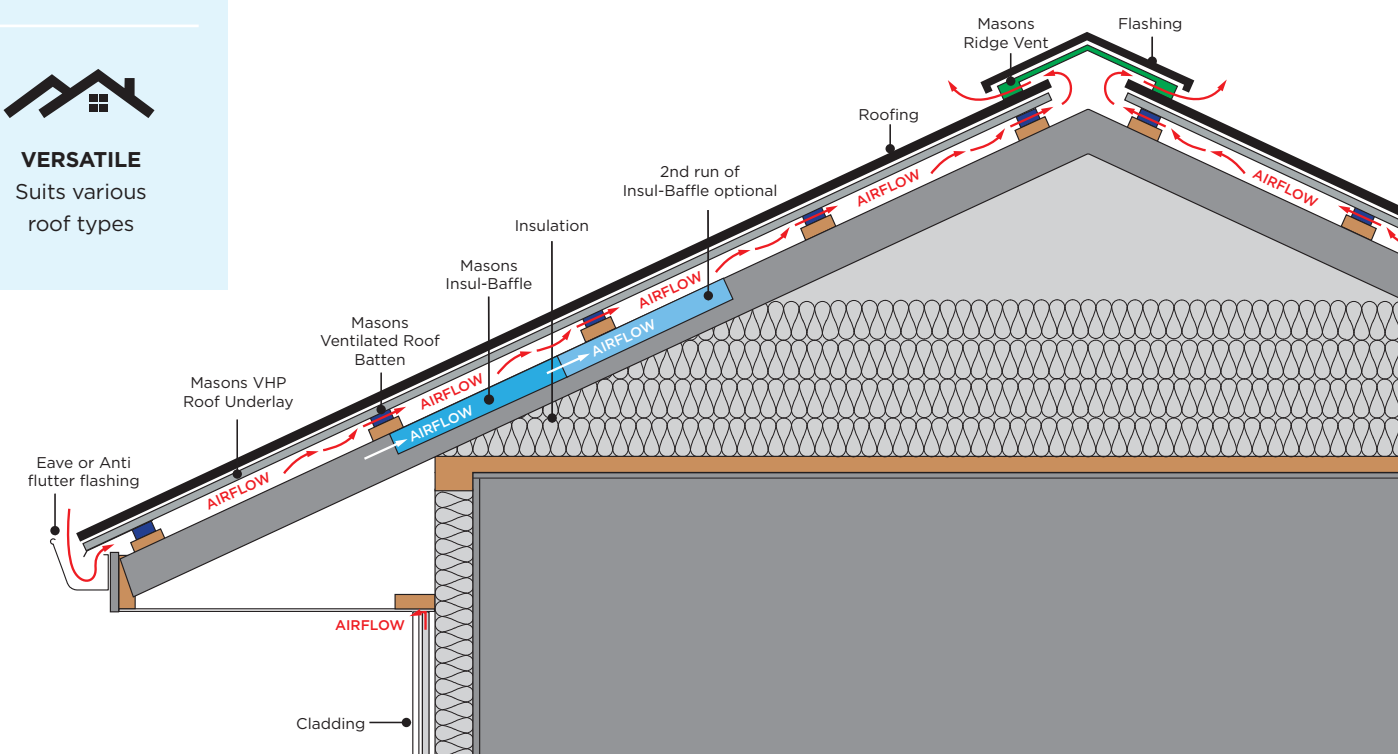
Masons Passive Roof Ventilation System is a complete system for ventilating roof cavities in long run metal roofs. Using the natural stack effect and wind movement, this passive system helps remove warm, moist air and introduces cooler, drier air to protect the roof structure, insulation, and ceiling space from moisture-related damage.

THE SYSTEM INCLUDES:

RIDGE VENTS to let warm air escape

VENTILATED ROOF BATTENS to create airflow under the roofing

INSUL-BAFFLE to preserve a clear air path near the eaves





MASONS PRODUCTS MAXIMISE AIRFLOW TO REDUCE CONDENSATION

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 latest version of the MRM Code of Practice for the latest best practise in design and installation details. See MRM Code of Practice – 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

*Masons recommends passive ventilation be included in the buildings design to eliminate excess condensation.



RIDGE VENT

Installed at the highest point of the roof, the Masons Ridge Vent allows hot, moisture-laden air to escape naturally. Made from durable, non-absorbent polypropylene with a flexible flashing edge, it blends into the roofline while maintaining continuous airflow.



ALLOWS WARM AIR TO EXIT AT THE RIDGE

Helps regulate roof space temperature by allowing air flow, which prevents moisture build up.

EASY TO INSTALL

Cutable for mono-pitch roofs

WORKS SILENTLY

No moving parts



VENTILATED ROOF BATTENS

Installed between the purlins and roofing, their open structure featuring ventilation openings, allows air and moisture to move more freely, reducing moisture build up and helping to keep the roof space dry.

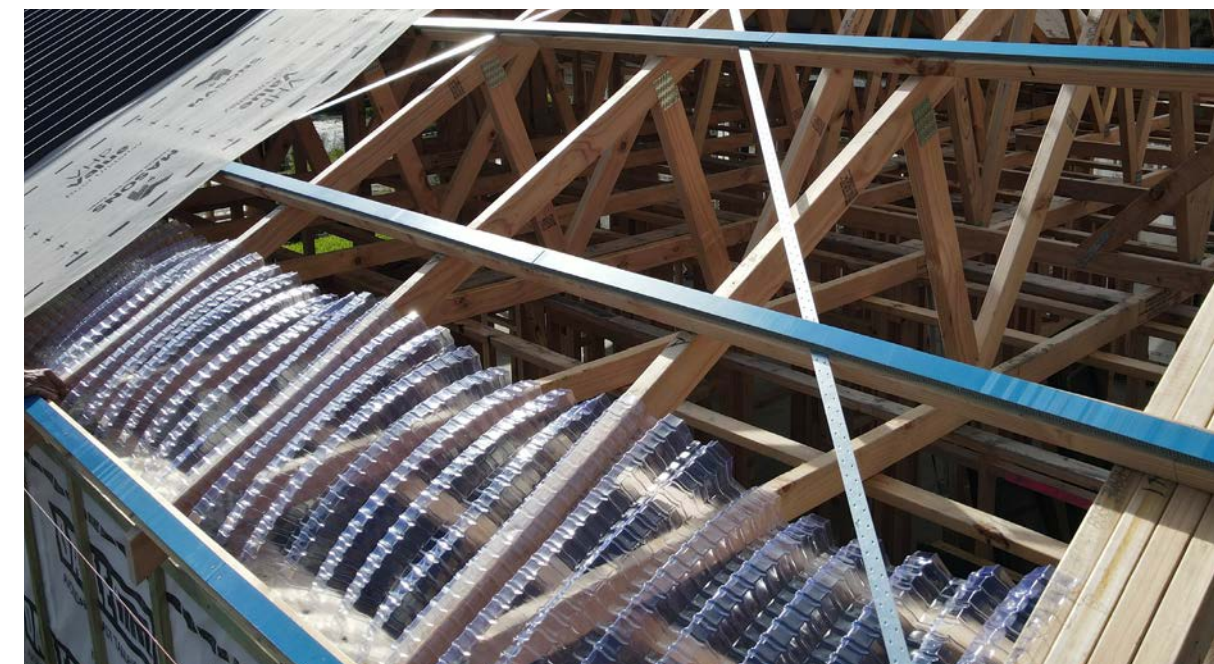
These battens are available in both 11 and 18mm thicknesses.

CONVENIENT PEEL-OFF ADHESIVE BACKING

Eliminates the need for nails or glue.

STRONG AND DURABLE

Cellular structure prevents capillary action and thermal bridging. High compressive strength makes them effective packers.



INSUL-BAFFLE

For even better airflow, Masons Insul-Baffle ensures the vital 25mm gap between insulation and roof underlay is maintained.

Made from durable, clear plastic, Insul-Baffle is fitted under the eaves, preventing bulk insulation from pressing up against the roof underlay. Installed along the full length of the eaves, its unique 'Dragon Channels' add rigidity while promoting cross-ventilation.

MAINTAINS AIR GAP

Creates an open ventilation area of approx. 32,000mm² per Lm—30% more than the required 25mm gap. It prevents insulation from blocking airflow and enhances passive ventilation

VERSATILE

Suits any roof type, material or pitch.

Description	Size	Masons Code
Ridge Vent - 6 vents to a box	1200x300x20mm	MRV1200x300x20
Ventilated Roof Battens - Plastic - 50 to a box	45x11x1800mm	BATNVENT45x11x1800
Ventilated Roof Battens - Plastic - 25 to a box	45x18x1800mm	BATNVENT45x18x1800
Insul-Baffle separator - 2 pack box	45mm x 650mm x 6Lm	BFFL.5X650x6

VHP Roof Underlay

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

CodeMark
CMNZ70098



**STRONG NON-WOVEN SUBSTRATE**
Available as light, medium, heavy and extra heavy weight

**SELF SUPPORTING**

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

**FIRE RETARDANT***

**UV RESISTANT**
Up to 21 days exposure

**TEAR RESISTANT**
Tough

WHY CHOOSE MASONS VHP ROOF UNDERLAY?

Masons VHP Roof Underlays are premium, synthetic, strong, fire retardant*, self supporting, absorbant and highly breathable. They assist in the control of moisture and water vapour.

PREMIUM PERFORMANCE

Made from a very high vapour permeable water resistant membrane and 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*

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.

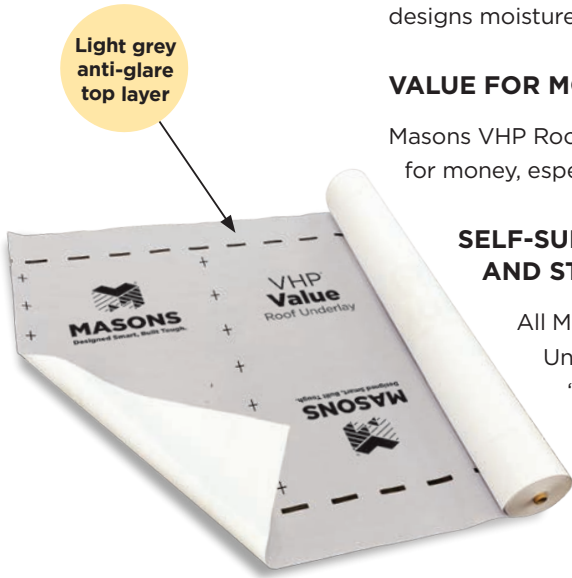
Not suitable for use in unlined buildings.



CHOOSE THE CORRECT VHP ROOF UNDERLAY FOR YOUR BUILD

	VHP® MAXI	VHP® ULTRA
Benefits	Very high performance, top of the range, fire retardant	High performance, tear resistant, fire retardant
Roll Size (1.25m wide)	1.25m X 40m = 50m ²	1.25m x 40m = 50m ²
Roll Size (1.45m wide)	1.45m X 34.48m = 50m ²	1.45m X 34.48m = 50m ²
Weight	Extra Heavy	Heavy
Substrate Colour	Light grey/white	Light grey/white
Codemark Certification	All Masons VHP Roof Underlays are are codemarked. Visit the MBIE website: building.govt.nz for the latest information.	

	VHP® STRONG	VHP® VALUE
Benefits	High performance, tear resistant, fire retardant	Economy price. A huge upgrade from Bituminous Paper.
Roll Size (0.5m wide)	0.5 x 30 = 15m ²	-
Roll Size (1.25m wide)	1.25m X 40m = 50m ²	1.25m X 40m = 50m ² or 1.25m X 80m = 100m ²
Roll Size (1.45m wide)	1.45m X 51.7m = 75m ²	1.5m X 66.6m = 100m ²
Roll Size (2.74m wide)	2.74 x 29.19 = 80m ²	-
Weight	Medium	Light
Substrate Colour	Light grey/white	Light grey/white
Codemark Certification	All Masons VHP Roof Underlays are are codemarked. Visit the MBIE website: building.govt.nz for the latest information.	

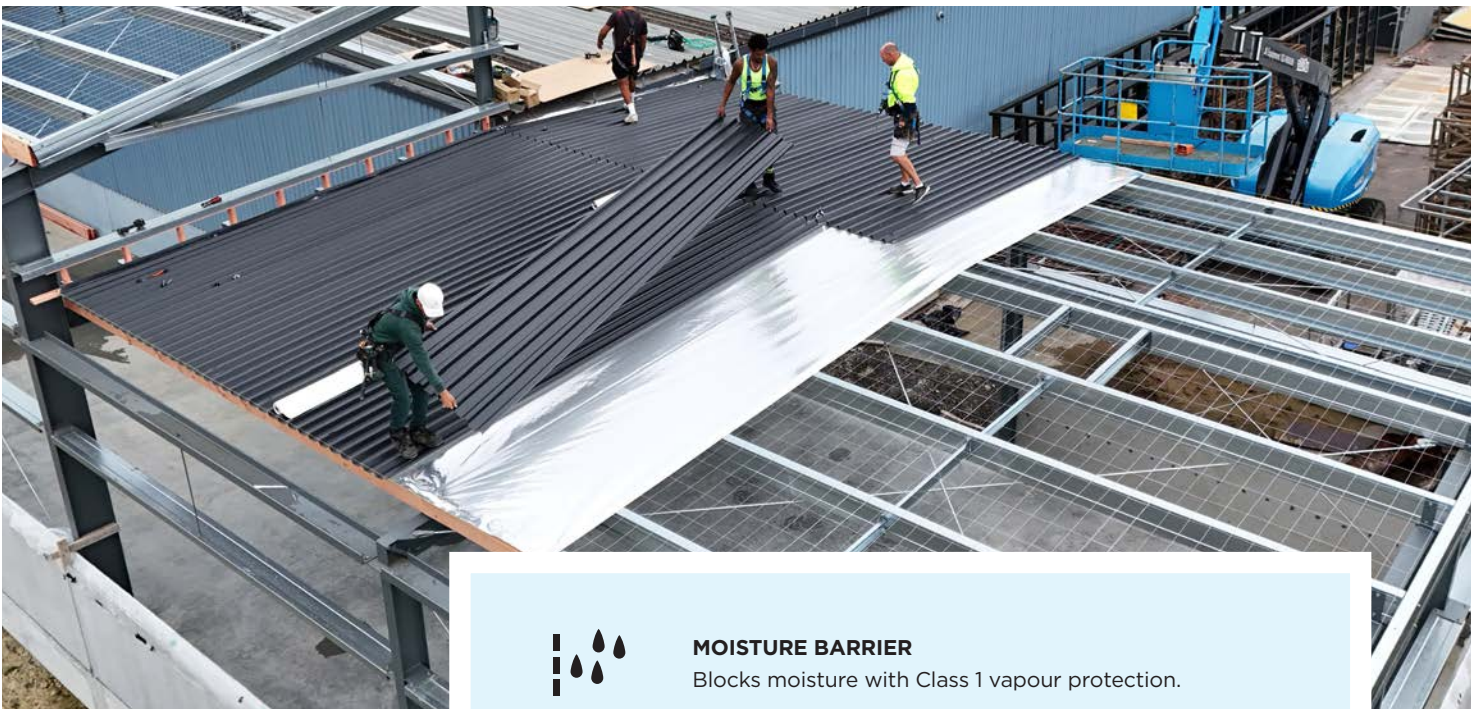


*VHP Maxi, Ultra, and Strong are fire retardant. VHP Value is not fire retardant.



White-Faced Foil

Composite underlay



Description	Roll Size	Masons Code
VHP Maxi Roof Underlay (extra heavy weight)	1.25 x 40 = 50m ²	RVHPMAXI1.25X50
VHP Maxi Roof Underlay (extra heavy weight)	1.45 x 34.48 = 50m ²	ROOFVHPMAXI
VHP Ultra Roof Underlay (heavy weight)	1.25 x 40 = 50m ²	RVHPULTRA1.25X50
VHP Ultra Roof Underlay (heavy weight)	1.45 x 34.48 = 50m ²	ROOFVHPULTRA
VHP Strong Roof Underlay (medium weight)	0.5 x 30 = 15m ²	RVHPSTRONG500
VHP Strong Roof Underlay (medium weight)	1.25 x 40 = 50m ²	RVHPSTRONG1.25X50
VHP Strong Roof Underlay (medium weight)	1.25 x 60 = 75m ²	RVHPSTRONG1.25X75
VHP Strong Roof Underlay (medium weight)	1.45 x 51.7 = 75m ²	ROOFVHPSTRONG
VHP Strong Roof Underlay (medium weight)	2.74 x 29.19 = 80m ²	RVHPSTRONG2.74x29
VHP Strong Roof Underlay (medium weight)	3.0 x 33.33 = 100m ²	RVHPSTRONG3.0x100
VHP Value Roof Underlay (light weight)	1.25 x 40 = 50m ²	RVHPVALUE1.25X50
VHP Value Roof Underlay (light weight)	1.25 x 80 = 100m ²	RVHPVALUE1.25X100
VHP Value Roof Underlay (light weight)	1.5 x 66.6 = 100m ²	ROOFVHPVALUE

TESTING

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

Absorbency >150 g/m²	Pass	Pass	Pass	Pass
R.W.V.T <.5 MN s/g	Pass	Pass	Pass	Pass
R.W.Penetration > 100mm	Pass	Pass	Pass	Pass
Mechanical strength R4 S.S	Pass	Pass	Pass	Pass
Self Supporting	Yes	Yes	Yes	Pass
Flammability index of <5	Pass	Pass	Pass	N/A
UV exposure - Days	21	21	21	21
PH of Extract >5.5-8<	Pass	Pass	Pass	Pass

Durability and Performance standards*

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 Strong, Ultra and Maxi Roof Underlays have a NZ/AS1530 Part 2 Flammability Index of <5. VHP Value is not fire retardant.



MOISTURE BARRIER

Blocks moisture with Class 1 vapour protection.



HEAT REFLECTIVE

Reflects radiant heat for better insulation.



CLEAN LOOK

Bright white finish for a tidy interior appearance.

Masons White-Faced Foil is a synthetic and aluminium foil composite underlay designed for use on the interior of commercial or industrial buildings where a vapour barrier with a white light-reflective surface is required. It is typically installed with a white reflective foil surface visible to the interior of the building.

Description	Size	Masons Code
Masons White-Faced Foil	1.35m x 56m=75.6 ²	FOIL1.35MX75



Roof Boot Flashings

Weathertight flashings between the service pipe and roof



Masons Roof Boot Flashings are designed for building applications where a pipe or building service penetrates the roof of a building.

When installed the roof boot flashings create a weather-tight seal between the service pipe and the building roof.



MULTIPLE SIZES IN RANGE

Fits any Pipe Penetration

EASY TO INSTALL

Fits Round or Square Fittings

EPDM RUBBER

Withstands Various Temperatures

ALSO FOR FLASHING PIPES ON HORIZONTAL CLADDING

Description	Pipe Size (mm)	Base Size (mm)	Masons Code
Roof Boot Flshg 0-20mm Blk EPDM	0-20	57x57	RBFBE 0-20MM
Roof Boot Flshg 0-35mm Blk EPDM	0-35	100x100	RBFBE 0-35MM
Roof Boot Flshg 110-170mm Blk EPDM	110-170	283x283	RBFBE 110-170MM
Roof Boot Flshg 130-230mm Blk EPDM	130-230	305x305	RBFBE 130-230mm
Roof Boot Flshg 160-220mm Blk EPDM	160-220	360x360	RBFBE 160-220MM
Roof Boot Flshg 160-300mm Blk EPDM	160-300	445x445	RBFBE 160-300MM
Roof Boot Flshg 5-120mm Blk EPDM	5-120	215x215	RBFBE 5-120MM
Roof Boot Flshg 5-55mm Blk EPDM	5-55	135x135	RBFBE 5-55MM
Roof Boot Flshg 50-70mm Blk EPDM	50-70	175x175	RBFBE 50-70MM
Roof Boot Flshg 0-35mm Blk EPDM Cble Nipples	0-35	92x92	RBFBE CN 0-35MM
Roof Boot Flshg 20-70mm Blk EPDM Retro Fit	20-70	160x160	RBFBERF 20-70MM

mpb.co.nz

Your 24/7 resource for:

- Installation Guides
- Specification Documentation
- Compliance Documentation
- Data Sheets
- Brochures
- CAD Drawings



MASONS
Designed Smart, Built Tough.

Product service is at the heart of what we do.

Since its establishment in 1999, Masons have a long and proud history of 'knuckling down and getting stuff done'. Masons NZ Ltd is a company founded on that very approach - raising the quality of building products through innovation and clever thinking.



OVER 20 YEARS IN THE INDUSTRY
We understand the Building Sector



WE BACK OUR PRODUCTS
Support is only a phone call away



COMPLIANCE
Testing Literature Reviewed by Professionals



MASONS REPS
A team of experts nationwide



Visit: mpb.co.nz or phone: **0800 522 533**



MASONS
Designed Smart, Built Tough.



Visit: **mpb.co.nz**

Phone: **0800 522 533**

Email: **info@mpb.co.nz**