

TECHNICAL DATA SHEET

ROOF RAZOR® INSULATION SPACER

Product description and typical applications

Roof Razor® is an insulation spacer specifically designed for Australian metal roof construction. It sits between the roof structure and the external cladding membrane creating a space for insulation to recover to its full nominal thickness between purlins. Roof Razor® is a solution to the Section J requirement of the National Construction Code (NCC) that insulation must maintain its position and thickness between purlins. Roof Razor® is compatible with both pierced and concealed fix roof cladding and is suitable for use on roofs with a pitch up to and including 30 degrees.

Roof Razor® is specifically designed for fixing to metal purlins. For applications requiring a spacer solution suitable for timber battens, Roof Razor® is supplied without pre-loaded screws:

- For 85mm Roof Razor® Fletcher Insulation recommends screws that are 62mm long + penetration depth;
- For 115mm Roof Razor® Fletcher Insulation recommends screws that are 92mm long + penetration depth.

Note: penetration depth is determined based on the type of timber used in addition to the screw manufacturer's recommendations.

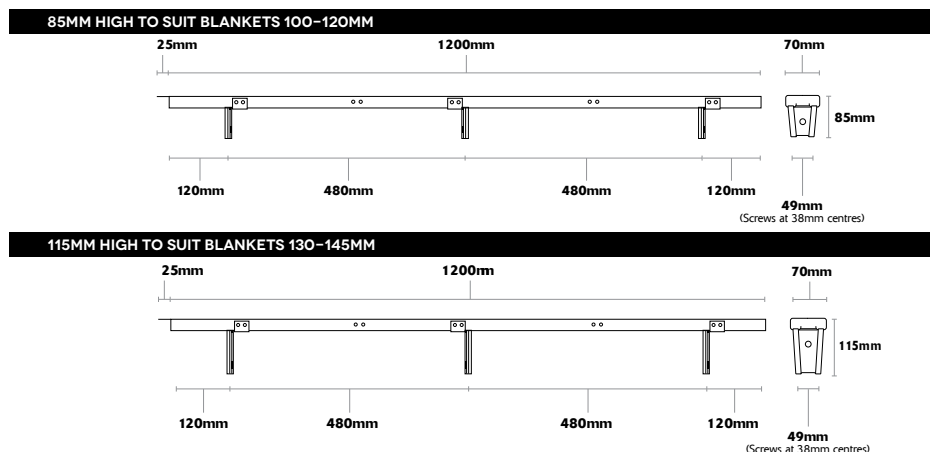
Product details

Product description	Spacer height mm	Pieces per pack	Lineal metres per pack	Product code
Roof Razor® Standard; pre-loaded	85	6	7.2	396291
	115	6	7.2	396292
Roof Razor® Standard; not pre-loaded (for fixing to timber battens)	85	6	7.2	396295
	115	6	7.2	396296
Roof Razor® Cyclonic; pre-loaded	85	6	7.2	396293
	115	6	7.2	396294

Material specifications

Roof Razor® is available in two heights to suit most commonly used blanket thicknesses:

- 85mm Roof Razor® is suitable for use with 100-120mm thick building blanket;
- 115mm Roof Razor® is suitable for use with 130-145mm thick building blanket.



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Material specifications

	ROOF RAZOR® STANDARD	ROOF RAZOR® CYCLONIC
Cover	1200mm	1200mm
Weight	2kg	3kg
Wind regions	A&B	C&D
Roof sheet fastener yield capacity	0.583 kN per 12g 14TPI (not supplied)	1.43 kN per 14g 10TPI (not supplied)
Batten material	1.15BMT G550 Z275	1.15BMT G550 Z275
Cyclonic insert	N/A	1.15BMT G550 Z275
Pre-loaded fasteners (for fixing to purlin)	6 x 12g 14TPI Class 4	6 x 14g 10TPI Class 4
Minimum purlin thickness	1.2 BMT	1.5 BMT
Minimum purlin width	50mm	50mm
Fastener centres	38mm	38mm
Dead load capacity	205kg between legs irrespective of span	205kg between legs irrespective of span
Pack quantity	6	6
Pallet quantity and weight	180 (30 packs), 400kg	180 (30 packs), 540kg
Pallet dimensions l x w x h (m)	Roof Razor® 85mm 1.15 x 1.25 x 0.80 Roof Razor® 115mm 1.15 x 1.25 x 0.98	Roof Razor® 85mm 1.15 x 1.25 x 0.80 Roof Razor® 115mm 1.15 x 1.25 x 0.98

Compliance

- Compliant with section J of the NCC Clause J1.2(c);
- Structurally engineered and certified for use;
- Roof Razor® Cyclonic is Low-High-Low (LHL) tested in accordance with NCC Volume 1 Specification B1.2.

Thermal performance

Roof Razor® is available in two heights to suit most commonly used glasswool blanket thicknesses:

- 85mm Roof Razor® is generally recommended for use with 100mm thick Permastop® Building Blanket.
- 115mm Roof Razor® is generally recommended for use with 130mm thick Permastop® Building Blanket.

For Total R-value guidance relating to systems incorporating Roof Razor®, visit www.insulation.com.au/fletcherspecpro

Roof Razor® insulation spacer for use in cyclonic regions

To perform in Australia's cyclonic regions, Roof Razor® CYCLONIC is Low-High-Low (LHL) tested and provides increased fastener yield over Roof Razor® STANDARD.

Roof Sheet Fastener Yield Capacity Requirements	
Non-Cyclonic	Cyclonic
0.583kN per 12 gauge 14 TPI roof sheet fastener (not supplied)	1.43kN per 14 gauge 10 TPI roof sheet fastener (not supplied)

Roof Razor® CYCLONIC is equipped with an extra batten insert to increase the fastener yield capacity, and is pre-loaded with 6 x 14 gauge 10TPI class 4 fasteners.

Specification notes

When specifying, state the following:

Application: incorporate Roof Razor® insulation spacer over Permastop® Building Blanket along the purlin line to achieve the recovered thickness of the insulation blanket.

Note: If Roof Razor® is to be fixed to a substrate other than metal purlins, specify details relating to the substrate e.g. timber batten.

Product name: Fletcher Insulation 85mm Roof Razor® insulation spacer or Fletcher Insulation 115mm Roof Razor® insulation spacer.

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