

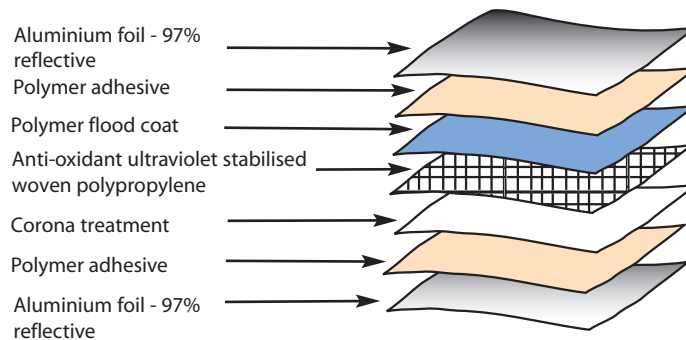
Product

SILVERFLOOR Extra Tough is a seven-layer product with bright aluminium foil (tested to 97% reflectivity) on both sides. The substrate is an ultra-violet stabilised woven polypropylene with anti-oxidant, which provides superior tear resistance. It is corona-treated to ensure superior adhesion. The pressure-sensitive polymer adhesive used in this product remains tacky for an

indefinite period in the design application and provides superior resistance to delamination compared with hot melt resins. It also results in a significantly lighter roll, as well as a smarter appearance, with equal strength and toughness. SILVERFLOOR has 5mm holes at least every 400mm to ensure drainage.

This is what we call Advanced Laminating Technology.

Construction



Application

SILVERFLOOR is designed for use as an insulation under timber floors with sealed air space between joists and an enclosed sub-floor space. (Where the sub-floor space is exposed to wind, e.g. in pole construction, a lining should be installed under the floor joists.) In addition to providing the benefits of a high level of

reflective insulation, SILVERFLOOR also reduces drafts through strip flooring.

SILVERFLOOR Extra Tough provides toughness and strength equal to, or better than, much heavier products manufactured with hot melt resins; its durability is unsurpassed.

Tear Resistance

The combination of woven polymer substrate and polymer adhesive in SILVERFLOOR Extra Tough produces an extremely lightweight product with superlative tear resistance. SILVERFLOOR Extra Tough is guaranteed to meet the minimum performance levels for Extra Heavy Duty rating required under AS/NZS 2400.1, but can be expected to greatly exceed them.

	Minimum value*	Actual test value
Machine direction edge tear resistance	90 N	648 N
Lateral direction edge tear resistance	90 N	545 N

* Minimum value required to qualify as Extra Heavy Duty under AS/NZS 2400.1.

Reflectivity

Emissivity testing in compliance to ASTM Standard E408-71 (Re-approved 2002).
Emittance 0.03
Reflectivity 97%

Fire Resistance

Tested for Flammability of Materials AS1530.2-1993
Heat Factor 1
Spread Factor 0
Flammability Index 1

Classifications

SILVER**FLOOR** Extra Tough Roof Sarking/Wall Wrap classifications under AS/NZS 4200.1:

Duty	Extra Heavy
Emittance	0.03
Reflectivity	97%
Water Barrier	Unclassified
Vapour Barrier	Unclassified
Flammability Index	Low
Machine Direction Tensile	Min 13.0 kN/m
Lateral Direction Tensile Strength	Min 10.5 kN/m
Machine Direction Edge Tear	Min 90 N
Lateral Direction Edge Tear	Min 90 N
Resistance to Wet Delamination	Pass
Resistance to Dry Delamination	Pass
Shrinkage	<2%

Note: These are minimum performance figures when tested in accordance with AS/NZ 4200:1, not production specifications.

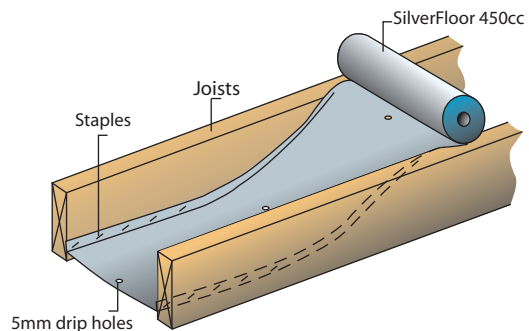
Installation

SILVER**FLOOR** should be installed in accordance with AS/NZ 4200.2: 1994 Pliable Building Membranes and Underlays, Part 2 Installation Requirements.

SILVER**FLOOR** is conveniently installed by rolling the roll along the tops of the joists, keeping the material under tension with one hand and fastening with a hammer stapler. To ensure maximum durability, galvanised staples should be used.

SILVER**FLOOR** should be installed at least 90mm from the underside of flooring, i.e. at the bottom of a standard joist.

SILVER**FLOOR** is not designed to withstand prolonged direct exposure to the elements. Accordingly, upon application of this product the structure should be enclosed without delay.



Aluminium foils should not come into contact with wet concrete or mortar, as the aluminium is susceptible to alkali corrosion.

Insulation

Typical Total R values for SILVER**FLOOR** when installed under floors with a sealed air space

between joists and an enclosed sub-floor space are:
Winter R3 Summer R1.5

Dimensions

SILVER**FLOOR** is available in the following size:

Product	joist centres	width	roll length	coverage
SilverFloor	450cc	500mm	60m (30sqm)	27sqm

BCA Compliant

SILVER**FLOOR** Extra Tough complies with AS/NZS 4200.1 and AS/NZS 4859.1 and therefore satisfies all requirements of the Building Code of Australia.

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Note: Silver Batts Insulation Systems reserves the right to change product specifications without prior notification. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but because of particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or to be implied with respect to either such information of the product itself, in particular about the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended purpose.