

SILVERWRAP™

Tough Wall Wrap Medium Duty Technical Data Sheet

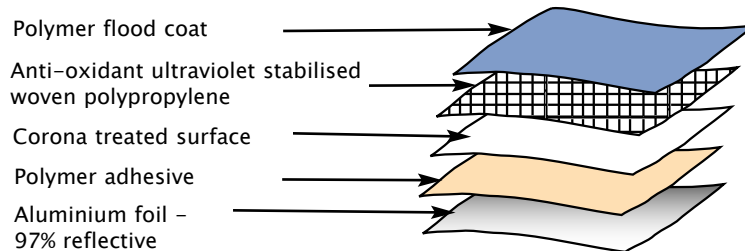
Reflective Insulation
Fire Retardant
Product Code: WRAP-TMD

Product

SILVERWRAP Tough is a five-layer product with bright aluminium foil (tested to 97% reflectivity) to one side. 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. This results in a significantly lighter roll, as well as a smarter appearance, with equal strength and toughness. We call this Advanced Laminating Technology.

Construction



Application

SILVERWRAP Tough is designed for use as a wall wrap in all regions of Australia in residential and office buildings.

Tear Resistance

The combination of woven polymer substrate and polymer adhesive in SILVERWRAP Tough produces an extremely lightweight product with superlative tear resistance. SILVERWRAP Tough is guaranteed to meet

the minimum performance levels for Medium 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	65 N	319 N
Lateral direction edge tear resistance	65 N	232 N

* Minimum value required to qualify as Medium 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**WRAP** Tough Wall Wrap classifications under AS/NZS 4200.1:

Product	SILVER WRAP Tough	SILVER WRAP Tough Breather
Duty	Medium	Medium
Emittance	0.03	0.03
Reflectivity	97%	97%
Water Barrier	High	Unclassified
Vapour Barrier	Medium	Unclassified
Flammability Index	Low	Low
Machine Direction Tensile	Min 9.5 kN/m	Min 9.5 kN/m
Lateral Direction Tensile Strength	Min 6.0 kN/m	Min 6.0 kN/m
Machine Direction Edge Tear	Min 65 N	Min 65 N
Lateral Direction Edge Tear	Min 65 N	Min 65 N
Resistance to Wet Delamination	Pass	Pass
Resistance to Dry Delamination	Pass	Pass
Shrinkage	<3%	<3%

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

Installation

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

To ensure optimum insulation performance as well as satisfactory durability, a minimum 25 mm airspace adjacent to each side of the product is recommended.

SILVER**WRAP** Tough is not designed to withstand prolonged direct exposure to the elements. Accordingly, upon application of this product the outer roof or wall should be installed without delay. Aluminium foils should not come into contact with wet concrete or mortar, as the aluminium is susceptible to alkali corrosion.

BCA Compliant

SILVER**WRAP** Tough Wall Wrap complies with AS/NZS 4200.1 and AS/NZS 4859.1 and therefore

satisfies all requirements of the Building Code of Australia.

Insulation

When installed facing an air space SILVER**WRAP** Tough is a barrier to radiant heat, keeping buildings cool in summer and warm in winter, saving energy and

reducing greenhouse gas emissions. For indicative R values in accordance with AS/NZS 4859.1 for a particular application, please contact the manufacturer.

Dimensions

SILVER**WRAP** Tough is sold in sizes

1350mm x 60m (81sqm)

1350mm x 30m (40.5sqm)



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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.