

Reflective roof and wall insulation

For tile or metal roofs and walls in residential and commercial buildings



Trade Select™ Sarking Extra Heavy Duty radiant barrier is designed for multi-purpose use as both roof sarking and a wall wrap. It is suitable for use in all roof and wall types. The reflective foil side provides extra R-value when installed facing an air cavity, and the multi-layer structure provides superior strength, flexibility and durability. Classified as a Water Barrier and Class 2 Vapour Barrier, Trade Select™ Sarking acts as a barrier to air, radiant heat, moisture ingress and dust penetration.

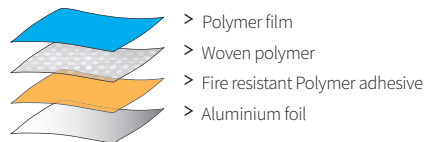
- > The all-round weather barrier for your home
- > Superior strength, puncture resistant
- > Water and Air Barrier, Class 2 Vapour Barrier
- > Low flammability, suitable for all BAL's in bushfire-prone areas

Application

Trade Select™ Sarking is designed for use as a roof sarking in residential and commercial buildings in all climate zone regions of Australia and as a wall wrap in climate zones 1 to 5.

Construction

Trade Select™ Sarking is a flexible four-layer product made with a combination of anti-oxidant UV-stabilised woven polypropylene, 97% reflective aluminium foil and fire-resistant polymer adhesive, backed by a UV-stabilised polymer flood coat. In order to minimise shrinkage after installation, our products are pre-shrunk during the manufacturing process.



Ametalin utilises Advanced Laminating Technology; the polymer adhesive remains tacky indefinitely and provides superior resistance to heat, fire and delamination.

Total System R-values

R-values apply to typical conditions for mainland Australian capital cities and have been calculated by an independent consulting engineer, in accordance with AS/NZS 4859.1:2002/Amdt 1:2006. For detailed design of building systems readers are advised to seek advice from a qualified engineer, based on actual site conditions.

For full details of Declared Total System R-values go to our website <http://www.tradeselect.co/>

Declared Total System R-Values

Residential Roof

22° Pitch with Trade Select™ Sarking, unventilated

Winter **R_t 1.0**

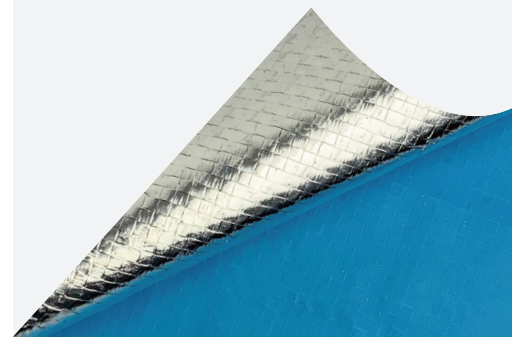
Summer **R_t 1.5**

Light Weight Cladding

Battened out with Trade Select™ Sarking + R2.5 Fibrous Batt

Winter **R_t 3.1**

Summer **R_t 2.9**



Material Properties and Classifications

Trade Select™ Sarking Extra Heavy Duty classifications in accordance with AS/NZS 4200.1:2017 and AS/NZS 4859.1:2002, Amdt 1:2006

Criteria	Reference	Result	Requirement
Flammability Index	AS 1530.2-1993	Low ≤ 5	High (> 5) / Low (≤ 5)
Material Thickness		0.17 mm	Value
Duty	AS/NZS 4200.1:2017	Extra Heavy	Classification
Tensile Strength Machine Direction	AS 1301.448s-91	15.2 kN/m	Min 13.0 kN/m
Tensile Strength Lateral Direction	AS 1301.448s-91	12.4 kN/m	Min 10.5 kN/m
Edge Tear Machine Direction	TAPPI T 470 om-89	646 N	Min 90 N
Edge Tear Lateral Direction	TAPPI T 470 om-89	555 N	Min 90 N
Vapour Control	ASTM E96	Class 2 Vapour Barrier	Class 1 to 4
Vapour Permeance	ASTM E96	0.02121 µg/N.s	Value
Water Control	AS/NZS 4201.4:1994	Water Barrier	Classification
Air Control	AS/NZS 4200.1:2017	Air Barrier	Classification
Resistance to Dry Delamination	AS/NZS 4201.1:1994	Pass	Pass
Resistance to Wet Delamination	AS/NZS 4201.2:1994	Pass	Pass
Shrinkage (Repeated wetting & drying)	AS/NZS 4201.3:1994	0.0%	< 0.5%
Electrically Conductive	AS/NZS 4200.1:2017	Conductive	Classification
Emittance Value	AS/NZS 4201.5:1994	Anti-glare side: 0.90, Foil side: 0.03	Value
Emittance Classification	AS/NZS 4200.1:2017	IR Non-reflective, IR Reflective	Classification
Emittance Category	AS/NZS 4200.1:2017	RN	Category

NCC Compliant

Trade Select™ Sarking complies with AS/NZS 4859.1:2002/Amdt 1:2006 and AS/NZS 4200.1:2017, and therefore meets all of the requirements of the *National Construction Code* of Australia for pliable building membranes, insulation and sarking-type materials.

Fire Performance

Flammability Index

Low (≤5)

Tested in accordance with AS 1530.2-1993 *Methods for fire tests on building materials, components and structures Part 2: Test for flammability of materials*.

Bushfire Attack Levels

Complies with AS 3959-2009 *Construction of buildings in bushfire-prone areas* for use in all BALs.

Seek independent advice regarding the selection of sarking prior to installation in the BAL design.

Dimensions

1200 mm x 60 m (72 m ²)	
1350 mm x 60 m (81 m ²)	1350 mm x 30 m (40.5 m ²)
1500 mm x 60 m (90 m ²)	1500 mm x 30 m (45 m ²)

Nominal thickness: 0.17 mm

Specification Notes

When specifying, state the following:

Product name: Trade Select™ Sarking Extra Heavy Duty

The insulation to be installed shall be Trade Select™ Sarking Extra Heavy Duty single-sided reflective laminate and shall be installed in accordance with AS 4200.2: 2017 *Pliable Building Membranes and Underlays, Part 2: Installation*.

Emittance Value: 0.90, 0.03

Emittance Classification: IR Non-reflective, IR Reflective

Vapour Control Classification: Vapour Barrier, 0.02121 µg/N.s

Water Control Classification: Water Barrier

Duty: Extra Heavy in accordance with AS/NZS 4200.1:2017

Complete details available on our website:

<http://www.tradeselect.co/>

Handling and Storage

Store this product undercover in a clean, dry place in the pack provided out of contact with alkaline products, cement and mortar.

Durability may be affected by environmental factors, including chemical and airborne pollutants, if used in industrial or farm buildings.

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Performance insulation for a greener world

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