

Trade Select®

Trade Select® Sarking HD

Product Code: TSHD

Reflective roof and wall insulation

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



Trade Select® Sarking is a Heavy Duty radiant barrier, designed for multi-purpose use as both roof sarking and a wall wrap. The reflective foil side provides Thermal Control and extra R-value when installed facing an air cavity. 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.

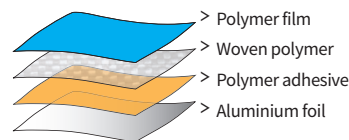
- > The all-round weather barrier
- > Superior strength, puncture resistant
- > Water and Air Barrier, Class 2 Vapour Barrier
- > Low Flammability, suitable for all BALs in bushfire-prone areas
- > Group 1 Fire performance classification for wall/ceiling lining

Application

Trade Select® Sarking is designed for use as a roof sarking and wall wrap in residential and commercial buildings in Climate Zones 1 to 3.

Construction

Trade Select® Sarking is a flexible four-layer product made with a combination of antioxidant 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

(Based on NCC 2019)

Residential Roof

22° pitch with Trade Select® Sarking, unventilated

Winter **R, 0.93**

Summer **R, 1.51**

Light Weight Cladding

Battened out with Trade Select® Sarking + R2.7 Fibrous Batt

Winter **R, 2.75**

Summer **R, 2.62**

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 4859.2:2018. These values have been calculated specifically for use under NCC 2019 requirements and may not be valid for compliance with other editions. For detailed design of building systems readers are advised to seek advice from a qualified engineer, based on actual site conditions.

The contributions of this product to the total system R-value depends on installation and environmental conditions.

Material Properties and Classifications

Trade Select® Sarking classifications in accordance with AS/NZS 4200.1:2017.

Criteria	Reference	Result	Requirement
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%
Nominal Thickness		0.12 mm	Value
Electrical Conductivity	AS/NZS 4200.1:2017	Conductive	Classification
Duty	AS/NZS 4200.1:2017	Heavy	Classification
Tensile Strength Machine Direction	AS 1301.448s-2019	13.9 kN/m	Min 12.5 kN/m
Tensile Strength Lateral Direction	AS 1301.448s-2019	9.0 kN/m	Min 7.5 kN/m
Edge Tear Machine Direction	TAPPI T 470 om-89	586 N	Min 80 N
Edge Tear Lateral Direction	TAPPI T 470 om-89	367 N	Min 80 N
Air Control	AS/NZS 4200.1:2017	Air Barrier	Classification
Emittance Value	AS/NZS 4200.1:2017	Printed 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
Vapour Control	AS/NZS 4200.1 Clause 5.3.2.3	Class 2 Vapour Barrier	Class 1 to 4
Vapour Permeance	ASTM E96-2016 Procedure B	0.004 µg/N.s	Value
Water Control	AS/NZS 4201.4:1994	Water Barrier	Classification
Flammability Index	AS/NZS 4200.1:2017	Low ≤ 5	High (> 5) / Low (≤ 5)

NCC Compliant

Trade Select® Sarking is compliant for use in Australia according to the *National Construction Code* for Pliable Building Membranes and Sarking-type Materials when correctly specified and installed.

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 (BALs)

Complies with AS 3959-2018 *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.

Deemed-to-satisfy provisions non-combustible materials

Trade Select® Sarking complies with *Deemed-to-Satisfy Provisions NCC Volume One, Section C1.9 (e)(vi) non-combustible building elements and Volume Two 3.7.1.1 General Concessions – non-combustible materials*. Trade Select® Sarking may be used where non-combustible material is required.

Sarking-type materials that do not exceed 1 mm in thickness and have a Flammability Index not greater than 5.

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

Australian designed for Australian conditions. Manufactured by: Ametalin 9-11 Playford Crescent, Salisbury North SA 5108 T: +61 8 8285 6955 F: +61 8 8285 5911 E: info@ametalin.com © 2024 Ametalin All Rights Reserved. Ametalin is a division of Amalgamated Metal Industries Pty. Ltd. Product information in this publication and otherwise supplied to users is based on our general experience and is given in good faith, but due to factors outside our knowledge and control which may affect the use of products, no warranty is given or implied with respect to this information or the product itself regarding the suitability of the product for any particular purpose. The usage of this and other building membranes will affect moisture migration in the building element. The purchaser should independently determine the suitability of the product for the intended purpose. For large projects with complex air-conditioning and condensation issues, designers may wish to contact our technical department. Product colour may vary from batch to batch. Amalgamated Metal Industries Pty. Ltd. reserves the right to amend product specifications without prior notice. Information provided is considered to be true and correct at the time of publication. Complete details including installation instructions are available on our website: www.tradesselect.co TPM-45763-2

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Dimensions

1200 mm x 60 m (72 m²)

1350 mm x 60 m (81 m²)

1500 mm x 60 m (90 m²)

Nominal thickness: 0.12 mm

1350 mm x 30 m (40.5 m²)

1500 mm x 30 m (45 m²)

Specification Notes

When specifying, state the following:

Product name: Ametalin Trade Select® Sarking

The insulation to be installed shall be Trade Select® Sarking, 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, 0.004 µg/N.s

Air Control Classification: Air Barrier

Water Control Classification: Water Barrier

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

Complete details available on our website:

<https://www.tradesselect.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