

Trade Select® Wall Wrap LD

Product Code: TSLD

Reflective wall insulation

For wall systems in residential and commercial buildings



Trade Select® Wall Wrap is a Light Duty wall wrap designed for use in Climate Zones 1 to 3 wall systems, and is also suitable for use under metal roofs. The reflective foil side provides extra R-value when installed facing an air cavity, and the multi-layer structure provides superior strength, tear resistance, flexibility and durability. Classified as an Air Barrier, Water Barrier and Class 2 Vapour Barrier, Trade Select® Wall Wrap also acts as a barrier to radiant heat, moisture ingress, draughts and dust penetration.

- > Tear resistant light weight weather barrier
- > Achieves Group 1 Fire performance classification for wall/ceiling lining
- > Water and Air Barrier, Class 2 Vapour Barrier
- > Low Flammability, suitable for all BALs in bushfire-prone areas

Application

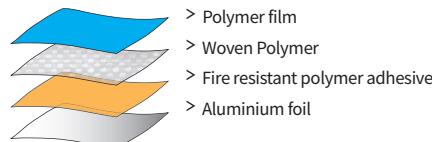
Trade Select® Wall Wrap may also be used as a facing material to glasswool, rockwool and semi-rigid bulk insulation provided processing temperatures do not exceed 80°C to ensure no significant changes in the material supplied.

Trade Select® Wall Wrap 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 3.

Construction

Trade Select® Wall Wrap 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

(Based on NCC 2019)

Light Weight Cladding

direct to stud with Trade Select® Wall Wrap

Winter **R_t 1.01**

Summer **R_t 0.92**

Brick Veneer Wall

with Trade Select® Wall Wrap + R2.7 fibrous batt

Winter **R_t 2.93**

Summer **R_t 2.78**

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® Wall Wrap Light Duty 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		0.09 mm	Value
Electrical Conductivity	AS/NZS 4200.1:2017	Electrically Conductive	Classification
Duty	AS/NZS 4200.1:2017	Light	Classification
Tensile Strength Machine Direction	AS 1301.448s-91	8.9 kN/m	Min 7.5 kN/m
Tensile Strength Lateral Direction	AS 1301.448s-91	7.3 kN/m	Min 4.5 kN/m
Edge Tear Machine Direction	TAPPI T 470 om-89	375 N	Min 45 N
Edge Tear Lateral Direction	TAPPI T 470 om-89	338 N	Min 45 N
Air Control	AS/NZS 4200.1:2017	Air Barrier	Classification
Emittance Value	AS/NZS 4201.5:1994	Anti-glare side: 0.9, 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	ASTM E96	Class 2 Vapour Barrier	Class 1 to 4
Vapour Permeance	ASTM E96	0.0152 µg/N·s	Value
Water Control	AS/NZS 4201.4:1994	Water Barrier	Classification
Flammability Index	AS 1530.2-1993	Low ≤ 5	High (> 5) / Low (≤ 5)

NCC Compliant

Trade Select® Wall Wrap 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

Group Number Assessment

Group 1

Assessed in accordance with AS 5637.1:2015 *Determination of fire hazard properties* by Ignis Solutions professional fire engineers.

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 3959-2018 *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.

Dimensions

1350 mm x 30 m (40.5 m²)

1500 mm x 30 m (45 m²)

1350 mm x 60 m (81 m²)

1500 mm x 60 m (90 m²)

Nominal thickness: 0.09 mm

Specification Notes

When specifying, state the following:

Product Name: Trade Select® Wall Wrap Light Duty

The insulation to be installed shall be Trade Select® Wall Wrap Light Duty, single-sided reflective laminate and shall be installed in accordance with AS 4200.2: 1994 *Pliable Building Membranes and Underlays, Part 2: Installation*.

Emittance Value: 0.9, 0.03,

Emittance Classification: IR Non-reflective, IR Reflective

Vapour Barrier Classification: Class 2 Vapour Barrier, 0.0152 µg/N·s

Water Barrier Classification: Water Barrier

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

Complete details available on our website:

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. 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.tradeselect.co TPM-45764-0