

# Trade Select™

## Trade Select™ Wall Wrap MD

Product Code: TSMD

### Reflective wall insulation

For wall systems in residential and commercial buildings



Trade Select™ Wall Wrap is a Medium Duty reflective wall wrap designed for use in all wall system types, 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, flexibility and durability. Classified as a Water Barrier and Class 2 Vapour Barrier, Trade Select™ Wall Wrap also acts as a barrier to air, radiant heat, moisture ingress and dust penetration.

- > Medium Duty
- > The traditional lightweight weather barrier for your home
- > Achieves Group 1 Fire performance classification for wall/ceiling lining
- > Water and Air barrier, Class 2 Vapour Barrier
- > Low flammability, suitable for all BAL's in bushfire-prone areas

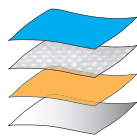
### Application

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 5.

### 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.



- > Polymer film
- > Woven Polymer
- > Fire resistant polymer adhesive
- > Aluminium foil

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

### Total System R-Values

#### Light Weight Cladding

direct to stud with Trade Select™ Wall Wrap

Winter **R<sub>t</sub> 1.01**

Summer **R<sub>t</sub> 0.92**

#### Brick Veneer Wall

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

Winter **R<sub>t</sub> 2.93**

Summer **R<sub>t</sub> 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. For detailed design of building systems, seek advice based on actual site conditions from a qualified licensed engineer. The contribution of this product to the total system R-value depends on installation and environmental conditions.

## Material Properties and Classifications

Trade Select™ Wall Wrap Medium Duty classifications in accordance with AS/NZS 4200.1:2017 and AS/NZS 4859.1:2018

| Criteria                              | Reference          | Result                                 | Requirement                       |
|---------------------------------------|--------------------|----------------------------------------|-----------------------------------|
| Flammability Index                    | AS 1530.2-1993     | Low $\leq 5$                           | High ( $> 5$ ) / Low ( $\leq 5$ ) |
| Nominal Thickness                     |                    | 0.10 mm                                | Value                             |
| Duty                                  | AS/NZS 4200.1:2017 | Medium                                 | Classification                    |
| Tensile Strength Machine Direction    | AS 1301.448s-91    | 11.8 kN/m                              | Min 9.5 kN/m                      |
| Tensile Strength Lateral Direction    | AS 1301.448s-91    | 9.3 kN/m                               | Min 6.0 kN/m                      |
| Edge Tear Machine Direction           | TAPPI T 470 om-89  | 500 N                                  | Min 65 N                          |
| Edge Tear Lateral Direction           | TAPPI T 470 om-89  | 382 N                                  | Min 65 N                          |
| Vapour Control                        | ASTM E96           | Class 2 Vapour Barrier                 | Class 1 to 4                      |
| Vapour Permeance                      | ASTM E96           | 0.0131 $\mu\text{g}/\text{N.s}$        | 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%                                   | $< 0.5\%$                         |
| Electrical Conductivity               | 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™ Wall Wrap complies with AS/NZS 4859.1:2018 and AS/NZS 4200.1:2017, and therefore meets all of the requirements of the *National Construction Code* of Australia for insulation, pliable building membranes and sarking-type materials.

## 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 ( $\leq 5$ )

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 m<sup>2</sup>)      1500 mm x 30 m (45 m<sup>2</sup>)

1350 mm x 60 m (81 m<sup>2</sup>)

Nominal thickness: 0.10 mm

## Specification Notes

When specifying, state the following:

Product Name: Trade Select™ Wall Wrap Medium Duty

The insulation to be installed shall be Trade Select™ Wall Wrap Medium 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: 0.90, 0.03

Emittance Classification: IR Non-reflective, IR Reflective

Vapour Barrier Classification: Class 2 Vapour Barrier, 0.0131  $\mu\text{g}/\text{N.s}$

Water Barrier Classification: Water Barrier

Duty: Medium 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.

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](mailto:info@ametalin.com)

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Phone: 03 9786 8449

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