

## Reflective decorative facing material

For use as a pre-laid facing for glass and mineral wool insulation.



**HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare is designed and engineered specifically as a decorative facing material for indoor environments where there is a high level of reflected ultraviolet radiation, and the enhancement of natural indoor light is required. Pre-laid Facing laminates are typically used as an initial laid layer to support and protect thermal insulation and bulk mineral wools to satisfy the requirements of a vapour barrier for building blankets which are mainly used under metal deck roofing.**

- > Non-scratch decorative face
- > Innovative low-glare, high IR reflection ink technology to the foil
- > High strength, light weight
- > Class 1 Vapour Barrier, Air and Water Barrier
- > Low Flammability, suitable for all BALs in bushfire-prone areas

### Application

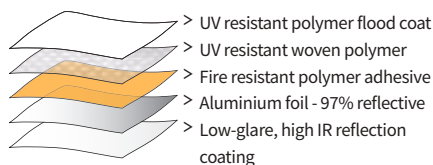
HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare suitable for use in residential and commercial applications.

### Construction

HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare is a flexible four-layer product made with a combination of antioxidant ultraviolet stabilised woven polymer, backed by a coloured ultraviolet resistant polymer coating with fire-resistant aluminium foil with innovative low-glare, high IR reflection ink technology for easy installation.

The fire-resistant polymer adhesive is applied as a tightly controlled, thermosetting bonding layer. This provides superior resistance to heat, fire and delamination with superior longevity compared to traditional thermoplastic hot melt resins.

In order to minimise shrinkage after installation, our products are pre-shrunk during the manufacturing process. The polymer coating colour can be altered to suit preferences subject to minimum order quantities.



### Ultraviolet Resistance

HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare incorporates an advanced face coating formulation designed to withstand UV-induced degradation of tensile strength. Testing in accordance with *AS/NZS 4200.1:2017 Appendix A2* Resistance to UV Exposure confirms negligible effects, with UV exposure equal to full sunshine. Research by Ametalin Laboratories indicates that the intensity of relevant UV wavelengths reflected into buildings is 5% or less of the levels in full sunlight. Therefore, we offer a 25-year warranty on Heavy Duty Facing Laminate – UV Resistant White, when installed and used as intended.

**Material Properties and Classifications**

HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare classifications in accordance with AS/NZS 4200.1:2017

Criteria	Reference	Result	Requirement
Flammability Index	AS 1530.2-1993	Low $\leq 5$	High ( $> 5$ ) / Low ( $\leq 5$ )
Nominal Thickness		0.12 mm	Value
Duty	AS/NZS 4200.1:2017	Heavy	Classification
Tensile Strength Machine Direction	AS 1301.448s-91	12.7 kN/m	Min 12.5 kN/m
Tensile Strength Lateral Direction	AS 1301.448s-91	9.4 kN/m	Min 7.5 kN/m
Edge Tear Machine Direction	TAPPI T 470 om-89	425 N	Min 80 N
Edge Tear Lateral Direction	TAPPI T 470 om-89	343 N	Min 80 N
Vapour Control	ASTM E96	Class 1 Vapour Barrier	Class 1 to 4
Vapour Permeance	ASTM E96	0.002 $\mu\text{g}/\text{N}\cdot\text{s}$	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
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	Facing side: 0.90, Foil side: 0.05	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**

HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare complies with AS 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**

**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.

**Handling and Storage**

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

**Dimensions**

1350 mm x 5000 m (6750 m<sup>2</sup>)

**Specification Notes**

When specifying, state the following:

Product Name: Ametalin HD Facing Laminate - UV Resistant White Weave / Foil / Anti-glare

The pliable building membrane to be installed shall be Heavy Duty Facing Laminate – UV Resistant White with Anti-Glare facing laminate and shall be installed in accordance with AS 4200.2: 2017 *Pliable Building Membranes and Underlays, Part 2: Installation.*

Flammability Classification: Low ( $\leq 5$ )

Emittance Value: 0.90, 0.05

Emittance Classification: IR Non-reflective, IR Reflective

Vapour Control Classification: Class 1 Vapour Barrier, 0.002  $\mu\text{g}/\text{N}\cdot\text{s}$

Water Control Classification: Water Barrier

Duty: Heavy in accordance with AS 4200.1:2017

**Performance insulation for a greener world**

9-11 Playford Crescent Salisbury North SA 5108

T: +61 8 8285 6955 F: +61 8 8285 5911

E: info@ametalin.com W: ametalin.com



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. APM-24207-0