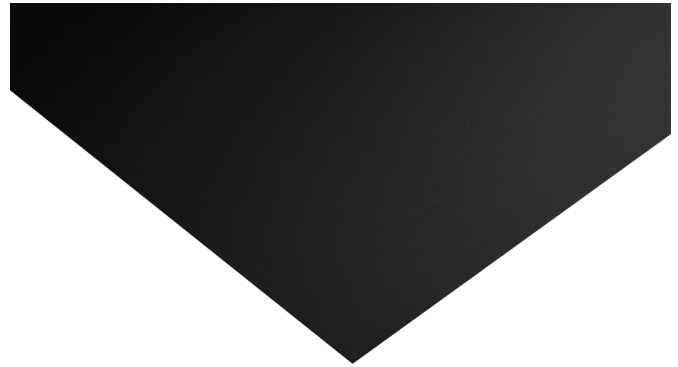


Metaline™ Splashback and Panels Technical Data Sheet

Summary

Laminex Metaline Splashbacks and Panels are advanced fire retardant (FR) composite materials. The panels feature a high gloss paint system that is easy-to-clean, stain and heat resistant. The coated aluminium sheets are 0.5mm thick, sandwiched onto a 3mm FR core to give a total thickness of 4mm. A protective plastic film protects the decorated surface during handling.



Applications

- Wall linings
- Wet area applications
- Curved vertical installations
- Splashbacks behind domestic gas, electric and induction cooktops (not intended for use behind BBQs)

Functional Benefits



Vertical Application



Stain Resistant



Heat Resistant



Water Resistant



UV Stable Indoor Use

Product Characteristics

Attribute	Description
Product Category	Aluminium composite panel
Sheet Size (nominal)	3600mm x 1500mm 3600mm x 800mm
Thickness (nominal)	4mm
Panel Weight (kg/m ²)	7
Decorative Surface	Single sided
Finish	Gloss
Colour	To view the full range, please visit www.laminex.com.au

Dimensional Tolerance (Tested to ISO 4586-2)

Product Characteristics	Measurement
Thickness	+/- 0.1 mm
Length and Width	+/- 4mm
Squareness	2mm/m maximum deviation (measured in horizontal)

Surface Quality (Tested to ISO 4586-2)

Attribute	Measurement
Inspection Guidelines	Viewing distance 0.75 to 1.5m from panel surface Light intensity approximately 800 to 1000 lx at the laminate surface Using normal vision, corrected if necessary. No magnification devices
Dirt, Spots & Similar Surface Defects	The admissible size of defects is based on a maximum contamination area equivalent to 1mm ² /m ² and is proportional to the sheet size under inspection
	The total admissible area of contamination may be concentrated in one area or dispersed over an unlimited number of smaller defects
Fibres, Hairs & Scratches	The admissible size of defects is based on a maximum contamination length equivalent to 10mm/m ² and is proportional to the sheet size under inspection
	The total admissible length of contamination may be concentrated in one defect or dispersed over an unlimited number of smaller defects

Surface Performance (Tested to ISO 4586-2)

Attribute	Measurement	
Resistance to Wet Heat at 100C	Appearance rating not worse than 4 <i>Slight change of gloss and/or colour, only visible at certain viewing angles</i>	
Resistance to Dry Heat at 180C	Appearance rating not worse than 4 <i>Slight change of gloss and/or colour, only visible at certain viewing angles</i>	
Resistance to Scratching	Rating = 1 (Force < 1 N)	
Lightfastness	Contrast: Grey scale rating > 4 <i>When tested in contrast with Blue wool 6 Ref: ISO 105-A02</i>	
Gloss level at 60° angle AS/NZS 1580.602.2	> 80 gloss units	
Colour Variation ISO 105-A05	Surface material "batch to batch" colour variation of $\Delta E < 1$	
Resistance to Staining	Groups 1 & 2 Acetone, Coffee <i>(120g of coffee per litre of water)</i>	Appearance rating not worse than 4 <i>Slight change of gloss and/or colour, only visible at certain viewing angles</i>
	Group 3 Sodium hydroxide (25% solution) Hydrogen peroxide (30% solution) Shoe polish	Appearance rating not worse than 5 <i>No visible change</i>

Specialty Performance (Tested to ISO 9705 - full room test, in accordance with AS5637.1)

Attribute	Typical Value	
Fire Hazard Properties	Group Number	2
	Smoke Growth Rate index (SMOGR ^{RC})	2.6 m ² /s ² .1000

Important Information

Note	Details
Ⓜ ONLY use for internal applications	Claims arising from non-internal applications are not covered under warranty
Ⓜ DO NOT use for horizontal applications	Claims arising from horizontal applications are not covered under warranty
Ⓜ DO NOT expose to prolonged direct or indirect UV light	Claims arising from prolonged exposure to UV light (natural or artificial sources) resulting in shrinkage and/or colour changes beyond the tolerances stated in this document, are not covered under warranty
Ⓜ DO NOT expose METALINE to excess heat	Claims arising from use around BBQs or commercial cooking equipment are not covered under warranty
Ⓜ ONLY use recommended Care & Maintenance methods	Claims arising from staining or damage attributable to not following Care & Maintenance instructions, are not covered under warranty
Ⓜ Use of panels in opposing orientations may result in a perceived visual variation	Claims arising from colour, gloss or finish variation directly attributable to surface directionality, are not covered under warranty
Ⓜ DO NOT allow the protective film to remain on the laminate surface for more than 9 months	Claims arising from film removal difficulties or residual glue on the surface of the laminate, directly attributable to the age of the protective film, are not covered under warranty
Ⓜ DO follow the installation instructions in the METALINE fabrication Manual	Claims arising from failure to follow instructions in the METALINE Fabrication Manual are not covered under warranty. Refer to Laminex.com.au
Ⓜ ALL material must be inspected prior to commencing any installation activity	Claims arising from defects or variation clearly detectable prior to fabrication or installation will not be covered for labour or penalties. Refer to Fabrication Manual at Laminex.com.au
Ⓜ DO NOT use for laboratory splashbacks	Claims arising from use as a splashback in laboratories with expected chemical use are not covered under warranty

Ⓜ Denotes specific warranty conditions apply