



Metallic Laminate

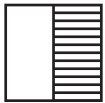
Technical Data Sheet

Formica® Metallic Laminate is a high pressure laminate with a real metal foil surface coated with a lacquer system with low impact and abrasion resistance.

APPLICATIONS

- Walls
- Feature panelling
- Cabinetry – Doors & Drawers

FUNCTIONAL BENEFITS



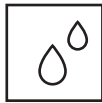
Light Vertical Application



Stain Resistant



Heat Resistant



Water Resistant



UV Stable Indoor Use

Product Characteristics

ATTRIBUTE	DESCRIPTION
Product Category	High Pressure Laminate
Substrate Type	-
Sheet Size (nominal)	2440mm x 1220mm, 3050mm x 1220mm
Thickness (nominal)	0.8mm
Weight (Kg/m ² approx.)	1.5
Finish	Metallic
Colour/Pattern	To view the full range, please visit www.formica.com.au

Formica® Metallic Laminate

Technical Data Sheet

Dimensional Tolerance

(Tested to ISO 4586-2)

ATTRIBUTE	MEASUREMENT
Thickness	± 0.15mm
Edge Defects	Defect free length and width within the nominal sheet size minus 20mm
Length and Width	+10mm / -0mm
Straightness of edges	1.5mm/m maximum deviation
Squareness	≤ 6mm (variation in diagonal measurement)
Flatness	100mm/m maximum deviation

Surface Quality

(Tested to ISO 4586-2)

ATTRIBUTE	MEASUREMENT
Inspection Guidelines	Viewing distance 0.75 to 1.5m from laminate 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 1.0mm ² /m ² and is proportional to the sheet size under inspection The total admissible area of contamination may be concentrated in one spot or dispersed over an unlimited amount 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 amount of smaller defects

Formica® Metallic Laminate

Technical Data Sheet

Surface Performance

(Tested to ISO 4586-2)

ATTRIBUTE	MEASUREMENT
Resistance to immersion in boiling water	No core delamination
Resistance to water vapour	Appearance rating not worse than 3 <i>Moderate change of gloss and/or colour</i>
Dimensional stability at elevated temperature	Longitudinal direction: Maximum cumulative change 0.75 % Transverse direction: Maximum cumulative change 1.25 %
Dimensional stability at ambient temperature	Longitudinal direction: Maximum cumulative change 0.75 % Transverse direction: Maximum cumulative change 1.25 %
Resistance to cracking under stress	Appearance rating not worse than 4 <i>Hairline cracks only visible under 6X magnification</i>
Resistance to Scratching	Rating = 1 (Force ≤ 1 Newton)
Resistance to Staining	Groups 1 & 2 Acetone Coffee (120g of coffee per litre of water) Group 3 Sodium hydroxide (25% solution) Hydrogen peroxide (30% solution) Shoe polish Appearance rating not worse than 4 <i>Slight change of gloss and/or colour, only visible at certain viewing angles</i>
Lightfastness	Contrast: Grey scale rating ≥ 4 <i>When tested in contrast with Blue wool 6 Ref: ISO 105-A02</i>

Specialty Performance

ATTRIBUTE	TESTED TO	TYPICAL VALUES
Fire Hazard Properties	AS ISO 9705 (In accordance to AS5637.1)	Group Number 3
		Smoke Growth Rate Index (SMOGR _{ARC}) 37.7 m ² s ⁻¹

Emissions & Environmental Performance

ATTRIBUTE	TESTED TO	UNITS	MEASUREMENT
Formaldehyde	ISO 12460-3	mg/m ³ h	≤ 1.0
Volatile Organic Compounds (VOC's)	ASTM D5116	mg/m ³ /h	≤ 0.5

Formica® Metallic Laminate

Technical Data Sheet

Important Information

NOTE	DETAILS															
Ⓢ ONLY use for internal applications	Claims arising from non-internal applications are not covered under warranty															
Ⓢ ONLY use for light vertical applications	Claims arising from horizontal applications, or vertical applications where impact and surface abrasion can occur, are not covered under warranty															
Ⓢ DO NOT use as a splashback	Claims arising from use as a splashback are not covered under warranty															
Ⓢ DO NOT use as a kick board	Claims arising from use as a kick board 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 protected under warranty															
Ⓢ ALL material must be inspected prior to commencing any fabrication activity	Claims arising from defects or variation clearly detectable prior to fabrication, will not be covered under warranty for labour costs or penalties Claims arising from trapped debris not removed prior to press bonding and resulting in indentations within the laminate surface, are not covered under warranty															
Ⓢ USE laminate sheets within 12 months of purchase	Claims arising from performance failure during fabrication that is directly attributable to the age of the laminate, are not covered under warranty															
Ⓢ DO NOT allow the protective film to remain on the surface for more than 9 months	Claims arising from film removal difficulties or residual glue on the surface, directly attributable to the age of the protective film, are not covered under warranty															
Ⓢ ONLY apply a smooth glue layer for bonding	Claims arising from uneven glue application resulting in surface undulations telegraphing to the decorative surface are not covered under warranty															
Ⓢ DO leave protective plastic film attached during fabrication activities	Claims arising from removal of the plastic film prior to final installation, including but not limited to surface damage, is not covered under warranty															
Ⓢ ONLY cold form laminate when bonded to Craftform® MDF	Claims arising from bending radii of less than 200mm, adhesion failure or spring back, are not covered under warranty															
Ⓢ ONLY use recommended hinge quantities	Claims arising from bow, warp or twisting due to too few hinges or inappropriate door sizes or weights, are not covered under warranty															
	<table><thead><tr><th>Door Height (mm)</th><th>Door Weight (Kg)</th><th>No. of Hinges</th></tr></thead><tbody><tr><td>≤ 900 mm</td><td>≤ 9 Kg</td><td>2</td></tr><tr><td>≤ 1600 mm</td><td>≤ 15 Kg</td><td>3</td></tr><tr><td>≤ 2000 mm</td><td>≤ 19 Kg</td><td>4</td></tr><tr><td>≤ 2400 mm</td><td>≤ 23 Kg</td><td>5</td></tr></tbody></table>	Door Height (mm)	Door Weight (Kg)	No. of Hinges	≤ 900 mm	≤ 9 Kg	2	≤ 1600 mm	≤ 15 Kg	3	≤ 2000 mm	≤ 19 Kg	4	≤ 2400 mm	≤ 23 Kg	5
Door Height (mm)	Door Weight (Kg)	No. of Hinges														
≤ 900 mm	≤ 9 Kg	2														
≤ 1600 mm	≤ 15 Kg	3														
≤ 2000 mm	≤ 19 Kg	4														
≤ 2400 mm	≤ 23 Kg	5														

Formica® Metallic Laminate

Technical Data Sheet

Important Information

NOTE	DETAILS
W DO NOT use large door dimensions	Claims arising from bow, warp or twisting of doors greater than 600mm wide, are not covered under warranty Claims arising from bow, warp or twisting of single piece doors greater than 1800mm high, are not covered under warranty. Pantry doors should use split door construction, where joinery brackets or connecting dowels can be used to join the two doors together
W DO NOT leave edges unsealed	Claims arising from the effect of heat or moisture ingress attributable to exposed edges of panels, are not covered under warranty
W ONLY bond directly to Particleboard and Medium Density Fibreboard	Claims arising from bonding directly to non-recommended surfaces, including but not limited to: plaster, plasterboard, masonry or concrete, are not covered under warranty
W DO NOT apply a coating to the surface	Claims arising from surface defects or other failure modes directly attributable to the application of paint or other surface lacquering systems, are not covered under warranty
W DO NOT use for high impact or high abrasion installations	Claims arising from high impact or high abrasion installations are not protected under warranty
W DO NOT expose to heat, hot gases or moisture	Claims arising from frequent or excessive exposure to heat or moisture are not covered under warranty
W ONLY use recommended Care & Maintenance methods	Claims arising from staining or damage attributable to not following Care & Maintenance instructions, are not covered under warranty

W Denotes specific warranty conditions apply