



MDF Wall Panels

# Architectural Wall Panels

## Summary

Laminex Architectural Wall Panels feature a profiled woodgrain MDF wall panel on a black or natural substrate with a durable matt finish clear coat.

## Applications

- Interior wall paneling

## Functional Benefits



Vertical  
Application



Scratch  
Resistant



Impact  
Resistant



Stain  
Resistant



Water  
Resistant



Dimensional  
Stability



Fast  
Installation

## Product Characteristics

Attribute	Description
Product Category	Wall Solutions
Substrate Type	MDF MR E0, Black core MDF MR E0, Natural core
Panel Size (nominal)	Batten 40      3000mm x 578mm Batten 60      3000mm x 558mm VGroove 100    3000mm x 518mm
Thickness (nominal)	16mm
Weight (Kg/m <sup>2</sup> approx.)	17.8-19.3
Finish	Nuance
Color/Pattern	To view the full range, visit <a href="http://laminex.com.au">laminex.com.au</a>

## Dimensional Tolerance (Tested to AS/NZS 4266.1)

Attribute	Measurement
Length and Width	+/- 5.0mm
Squareness	+/- 2.0mm





### Surface Performance

Attribute	Tested to	Units	Measurement
Crosscut Adhesion (24 hrs)	AS 1580.408.2/ISO 2409:2007	Rating	0
Scratch Resistance	AS 2924.2	N	0.5 to 1.0
Surface gloss (60° Gloss)	AS/NZS 1580.602.2		2 to 5
Stain Resistance, Face only	AS/NZS 4266.2	Rating	1
Colour Stability	The change in surface colour and appearance over time is a natural feature, not a defect. In particular, heat and humidity affect light, accelerating the aging process. In addition, objects in pastel shades can suddenly and irregularly change their original colour when exposed to direct and strong light		

#Group rating is defined in order of: 1—no visible change, 2—a slight change of color only visible at a certain angle, 3—Moderate marked change, 4—Marked change of color, 5—Surface distortion.

### Substrate Performance (Tested to AS/NZS 4266.1)

Attribute	Units	Measurements
Thickness Tolerance	mm	16mm +/- 0.4mm
Maximum thickness variance within a panel	mm	0.3
Thickness Swell (24 hr)	%	Max 12
Density	Kg/m <sup>3</sup>	Min 700
Internal bond	MPa	Min 0.6
Modulus of Rupture	MPa	Min 34
Modulus of Elasticity	MPa	Min 2800
Surface Soundness	MPa	Min 0.9
Screw Holding, Edge	Force N	1110N (Std Dev-50N)
Wet Bending Strength (Method A)	MPa	Min 5

# Table contains representative values only. Performance variation outside stated typical values does not constitute a product failure.

### Surface Quality (Tested to AS/NZS 4266.2)

Attribute	Measurement
Inspection Guidelines	Viewing distance 1.5m from surface. Light intensity is approximately 800 to 1000 lx at the surface. Using normal vision, corrected if necessary. No magnification devices.

### Emissions & Environmental Performance

Attribute	Tested to	Units	Measurement
Formaldehyde	AS/NZS 1859.2	mg/L	E0 ≤ 0.5
Volatile Organic Compounds (VOC's)	ASTM D5116-2017	mg/m <sup>2</sup> /hr	0.187





### Important Information

NOTE	DETAILS
Ⓜ ONLY use for internal applications	Claims arising from non-internal applications are not covered under warranty
Ⓜ CAUTION! - Darker colors will show fingerprints, scratches, and superficial wear & tear more readily than lighter colors	Claims arising from fingerprints, scratches, or superficial wear & tear directly attributable to the selection of a dark color, are not covered under the 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 color changes beyond the tolerances stated in this document, are not protected under warranty
Ⓜ Use of different surface materials within a single installation may result in a perceived visual variation	Claims arising from color, gloss, or finish variation between different product groups are not covered under warranty
Ⓜ Use of directional designs or finishes in opposing orientations may result in a perceived visual variation	Claims arising from color, gloss, or finish variation directly attributable to surface directionality, are not covered under the warranty
Ⓜ ALL material must be inspected prior to commencing any installation activity	Claims arising from defects or variations clearly detectable prior to installation, will not be covered under warranty for labour costs or penalties
Ⓜ 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
Ⓜ ONLY use recommended Care & Maintenance methods	Claims arising from staining or damage attributable to not following Care & Maintenance instructions are not covered under the warranty
Ⓜ 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
	Claims arising from damage due to fugitive heat or moisture leaking from gas and electrical appliances, HVAC or others apparatus are not covered under warranty
Ⓜ 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
Ⓜ DO NOT use for high-impact or high-abrasion installations	Claims arising from high impact or high abrasion installations are not protected under warranty

Ⓜ Denotes specific warranty conditions apply.

Disclaimer: Directional variations in the protective coating may affect the reflectivity of the surface. Slight shading and minor variations in the surface finish only visible at an acute angle or under critical light will not be covered under warranty. Darker decors have a greater propensity to demonstrate this contrast. This does not affect the overall performance or durability of the product.

<b>Warranty Document</b>	To view the latest Warranty Document for this product, please visit <a href="http://www.laminex.com.au">www.laminex.com.au</a> .
<b>Care &amp; Maintenance Document</b>	To view the latest Care & Maintenance Document for this product, please visit <a href="http://www.laminex.com.au">www.laminex.com.au</a> .
<b>Safety Data Sheet</b>	To view the latest Safety Data Sheet for this product, please visit <a href="http://www.laminex.com.au">www.laminex.com.au</a> .
<b>Installation Guide</b>	To view the latest Installation Guide for this product, please visit <a href="http://www.laminex.com.au">www.laminex.com.au</a> .

