



MDF Ceiling Panels and Tiles

# Architectural Ceiling Panels and Tiles

## Summary

The Laminex Architectural Ceiling Panels and Tiles is a profiled decorated MDF woodgrain ceiling system available on a black or natural substrate prefinished with a durable matt finish clear coat.

## Applications

- Interior ceiling lining

## Functional Benefits



Horizontal Application



Scratch Resistant



Impact Resistant



Stain Resistant



Water Resistant



Dimensional Stability

## Product Characteristics

Attribute	Description
Product Category	Ceiling systems
Substrate Type	MDF MR FR E1, Black core MDF MR FR E1, Natural core
Sheet Size (nominal)	Architectural Ceiling Tiles (Square Edge) : Batten 40      1195mm x 595mm Batten 60      1195mm x 595mm VGroove 100    1195mm x 595mm
	Architectural Ceiling Panels (removable Tongue & Groove) Batten 40      2400mm x 560mm Batten 60      2400mm x 540mm VGroove 100    2400mm x 500mm
Thickness (nominal)	12mm
Weight (Kg/m <sup>2</sup> approx.)	9.8
Finish	Nuance
Colour/Pattern	To view the full décor range, visit <a href="http://laminex.com.au">laminex.com.au</a>

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

Attribute	Measurement
Length	Architectural Ceiling Tiles    +/-0.5mm Architectural Ceiling Panels +/-2.0mm
Width	+/-0.5mm
Squareness	+/- 1.0mm





### 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 1998	N	0.5-1.0
Surface gloss (60° Gloss)	AS/NZS 1580.602.2		2-5
Stain Resistance, Face only	AS/NZS 4266.2-8	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 colour only visible at a certain angle, 3–Moderate marked change, 4–Marked change of colour, 5–Surface distortion.

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

Attribute	Units	Measurements
Thickness Tolerance	mm	12mm+/-0.4mm
Maximum thickness variance within a sheet	mm	0.3
Thickness Swell (24 hr)	%	Max 12
Density	Kg/m <sup>3</sup>	Min 800
Internal bond	MPa	Min 0.4
Modulus of Rupture	MPa	Min 25
Modulus of Elasticity	MPa	Min 2500

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

### Specialty Performance

Attribute	Tested to	Measurements
Fire Group Rating	AS/ISO 9705 (in accordance to AS 5637.1:2015)	Group 2
Sound Absorption (Acoustic)	NRC rating	0.05

### Emissions & Environmental Performance

Attribute	Tested to	Units	Measurement
Formaldehyde	AS/NZS 1859.2	mg/L	E1 ≤ 0.5
Volatile Organic Compounds (VOC's)	ASTM D5116-2017	mg/m <sup>2</sup> /hr	0.187





### Important Information

NOTE	DETAILS
(W) ONLY use for internal applications	Claims arising from external or outdoor applications are not covered under warranty
(W) CAUTION! Darker Colours will show fingerprints, scratches and superficial wear & tear more readily than lighter colours	Claims arising from fingerprints, scratches or superficial wear & tear directly attributable to the selection of a dark colour are not covered under warranty
(W) 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
(W) Use of different surface materials within a single installation may result in a perceived visual variation	Claims arising from colour, gloss, or finish variation between different product groups are not covered under warranty
(W) Use of directional designs or finishes 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 the warranty
(W) 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
(W) DO NOT leave edges unsealed	Claims arising from the effect of heat or moisture ingress attributable to exposed edges due to modification of panels or tiles 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 the warranty
(W) DO NOT expose to heat, hot gases or moisture	Claims arising from 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
(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) 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 décors 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 Manual</b>	To view the latest Installation Manual for this product, please visit <a href="http://www.laminex.com.au">www.laminex.com.au</a> .

