

# Technical Data Sheet

Surround by Laminex is designed for interior dry area applications and is manufactured from moisture resistant Medium Density Fibreboard (MDF). Each panel has one face routed with a regular decorative pattern which is primed with water-based paint.

## Applications

Dry area wall panelling

## Functional Benefits



Vertical Application



Impact Resistant



Dimensional Stability



Low Sanding



Paintable

## Product Characteristics

Attribute	Description	
Product Category	Wall Solutions	
Substrate Type	Moisture Resistant E0 MDF	
Front Face	Primed	
Reverse Face	Raw MDF	White LPM
Thickness (nominal)	9mm	12mm
Weight (Kg/m <sup>2</sup> approx.)	6.9	9.2
Colour/Pattern	To view the full range, visit <a href="http://surroundbylaminex.com.au">surroundbylaminex.com.au</a>	

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

Attribute	Measurement
Thickness	±0.5mm
Length and Width	+5mm / -5mm maximum deviation
Squareness	2mm/m maximum deviation

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

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

## Surface Performance

Attribute	Measurement
Crosscut Adhesion AS/NZS 1580.408.2	Rating $\leq 1$ <i>Maximum 5% flaking</i>
Primer Dry Coating	Thickness $\geq 45 \mu\text{m}$
Modulus of Rupture AS/NZS 4266.1	$\geq 15 \text{ MPa}$ (at weakest point of the routed profile)

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

Attribute	Units	Measurement	
		9mm – 12mm	
		Minimum Values	Typical Values <sup>#</sup>
Density	Kg/m <sup>3</sup>	-	765 $\pm$ 20
Internal bond	MPa	0.60	1.00 - 1.20
Modulus of Rupture	MPa	28	40 - 43
Modulus of Elasticity	MPa	2400	3100 - 3300
Surface Soundness	MPa	0.6	0.9 - 1.2
Screw Holding, Face	Force N	-	-
Screw Holding, Edge	Force N	-	-
Thickness Swell (24hr)	%	(Max) 12.0	8.5 - 10.5
Wet Bending Strength (Method A)	MPa	6	6 - 8
Formaldehyde	mg/L	$\leq 0.5$	E0 $\leq 0.5$

<sup>#</sup>Table contains representative values only of the non-profiled panels. Performance variation outside stated typical values does not constitute a product failure.

## Specialty Performance

Attribute	Tested to	Typical Values	
Fire Hazard Properties	AS/NZS 3837 (In accordance to AS5637.1)	Group Number	TBC
		Average Specific Extinction Area (ASEA)	TBC

## 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	mg/m <sup>2</sup> /h	TBC

## Important Information

This document must be referenced in conjunction with the latest version of the following, which can be accessed at [laminex.com.au](http://laminex.com.au)

Surround by Laminex Fabrication and Installation Manual

Surround by Laminex Limited Product Warranty

Note: Please refer to full suite of supporting documentation for product limitations (E. & O.E.).