

# SURROUND by Laminex™

Surround by Laminex is designed for interior 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

Interior wall, ceiling panelling

## Functional Benefits



Vertical Application



Horizontal Application



Curved Application



Impact Resistant



Dimensional Stability



Low Sanding



Paintable



Wet Area Applications

## Product Characteristics

| Attribute                          | Description   |
|------------------------------------|---|
| Product Category                   | Medium Density Fibreboard (MDF)   |
| Substrate Type                     | Moisture Resistant E0 MDF   |
| Sheet Size (nominal)               | 3000mm x 1200mm   |
| Thickness (nominal)                | 9mm   12mm  |
| Weight (Kg/m <sup>2</sup> approx.) | 8.0   9.2   |
| Finish                             | Primed  |
| Colour/Pattern                     | To view the full range, visit <a href="https://laminex.com.au">laminex.com.au</a> |

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

| Attribute        | Measurement                   |
|------------------|-------------------------------|
| 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 surface.<br>Light intensity approximately 800 to 1000 lx at the surface.<br>Using normal vision, corrected if necessary. No magnification devices. |

## Surface Performance

| Attribute                              | Measurement  |
|--|--|
| Crosscut Adhesion<br>AS/NZS 1580.408.2 | Rating $\leq 1$<br><i>Maximum 5% flaking</i>                   |
| Primer Dry Coating                     | Thickness $\geq 45 \mu\text{m}$                                |
| Modulus of Rupture<br>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> |
| Thickness Tolerance                | mm                | $\pm 0.2$      | $\pm 0.2$                   |
| 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                   |
| Thickness Swell (24hr)             | %                 | (Max) 12.0     | 8.5 - 10.5                  |
| Wet Bending Strength<br>(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.

## 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 | 0.012       |

## 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