

SURROUND by Laminex™

Surround by Laminex™ is designed for interior wall 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. All 12mm panels have a reverse flat face sealed with a white Low Pressure Melamine (LPM).

Applications

Interior area wall panelling

Functional Benefits



Vertical Application



Horizontal Orientation on Walls



Internal Moisture Areas¹



Impact Resistant



Dimensional Stability



Low Sanding



Paintable

¹ Additional considerations and steps are required. Refer to section 6.9 of the Fabrication and Installation Manual.

Product Characteristics

| Attribute | Description |
|------------------------------------|--|
| Product Category | Wall Solutions |
| Substrate Type | Moisture Resistant E0 MDF |
| Sheet Size (nominal) | 2400mm x 1200mm and 3000mm x 1200mm |
| Thickness (nominal) | 9mm 12mm |
| Weight (Kg/m ² approx.) | 6.9 9.2 |
| Finish | Primed Front Face (water-based) |
| Colour/Pattern | To view the full range, visit laminex.co.nz |

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. Light intensity approximately 800 to 1000 lx at the surface. Using normal vision, corrected if necessary. No magnification devices. |

Surface Performance

| Attribute | Measurement |
|--|--|
| Crosscut Adhesion AS/NZS 1580.408.2 | Rating ≤ 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 [#] |
| Thickness Tolerance | mm | ± 0.2 | ± 0.2 |
| Density | Kg/m ³ | - | 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 |
| Dimensional changes Length (65,85%) | mm/m | - | 1.0 |
| Dimensional changes Length (65,30%) | mm/m | - | -2.0 |
| Dimensional changes Thickness (65,85%) | % | - | 4.0 |
| Dimensional changes Thickness (65,30%) | % | - | -4.0 |
| Formaldehyde | mg/L | ≤ 0.5 | E0 ≤ 0.5 |

[#]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 | mg/m ² /h | TBC |

Important Information

This document must be referenced in conjunction with the latest version of the following, which can be accessed at laminex.co.nz:

- i. SURROUND by Laminex™ Fabrication and Installation Manual.
- ii. SURROUND by Laminex™ Limited Product Warranty.