

Laminex®

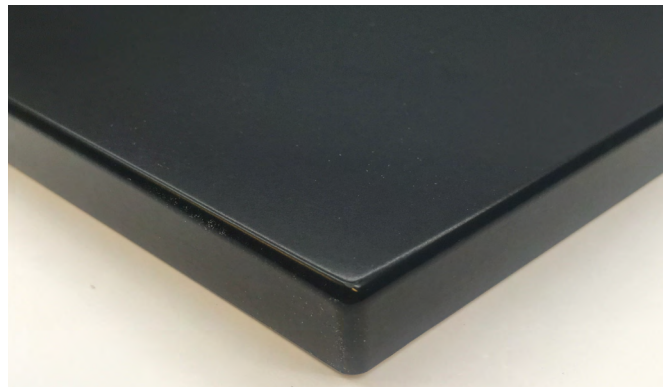
FormWrap® Doors & Panels Technical Data Sheet

Summary

Laminex FormWrap Doors and Panels are available in a range of colours and designs, each manufactured from specialty Moisture Resistant E0 Medium Density Fibreboard (MDF) and covered with a thermoformable vinyl to provide an easy-clean durable surface.

Applications

- Kitchen
- Bathroom
- Laundry
- Commercial fit-outs



Functional Benefits



Vertical
Application



Stain
Resistant



Water
Resistant



UV Stable
Indoor Use



Tactile

Product Characteristics

| Attribute | Description |
|------------------------------------|---|
| Product Category | Componentry |
| Substrate Type | Ultracraft™ Moisture Resistant E0 MDF – for Thermoforming |
| Sheet Size (nominal) | Made-to-Measure |
| Thickness (nominal) | 18mm |
| Weight (Kg/m ² approx.) | 14.5 |
| Finish | Gloss, Satin, Super Matte & Fine Texture |
| Colour/Pattern | To view the full range, please visit www.laminex.com.au |

Surface Performance (Tested to ISO 4586-2)

| Attribute | Minimum Values | | |
|--------------------------|---|------------------------------------|---------------------------------|
| Lightfastness | Contrast: Grey scale rating ≥ 4 When tested in contrast with Blue wool 6 Ref: ISO 105-A02 | | |
| Resistance to scratching | Super Matte and Fine Texture | Satin | Gloss |
| | Rating = 3 (Force ≥ 2 Newton) | Rating = 2 (Force ≥ 1 Newton) | Rating = 1 (Force < 1 Newton) |

Surface Performance (Tested to AS/NZS 4266.2)

| Attribute | Minimum Values |
|---------------------------------|--|
| Surface Water Absorption | ≤ 10 g/m ² |
| Porosity | Appearance rating not worse than 3 <i>Moderate staining</i> |
| Resistance to Steam | Appearance rating not worse than 3 <i>Moderate swelling</i> |
| Heat Resistance of Film | ≤ 0.5mm |
| Resistance to Staining | Rating ≤ 2 <i>Faint stain left on surface</i> |
| Colour Variation ISO 105-A05 | Surface material "batch to batch" colour variation of ΔE ≤ 1 |

Adhesion Performance

| Attribute | Tested to | Unit | Minimum Values |
|----------------------|--------------------------|-------------------|-------------------------|
| Glue Bond Durability | AS/NZS 4266.2 Section 14 | Visual Assessment | No glue-line separation |
| Bond Strength | AS/NZS 4266.2 Section 13 | MPa | ≥ 0.9 |

Substrate Performance (Tested to AS/NZS 1859.2)

| Attribute | Units | Typical Values [#] |
|---------------------------------|-------------------|-----------------------------|
| | | 18mm |
| Thickness Tolerance | mm | ±0.3 |
| Density | Kg/m ³ | 805 ± 20 |
| Internal Bond | MPa | 1.25 - 1.4 |
| Modulus of Rupture | MPa | 44.5 - 48 |
| Modulus of Elasticity | MPa | 3300 - 3800 |
| Surface Soundness | MPa | 1.6 - 1.9 |
| Screw Holding, Face | Force N | 1100 - 1400 |
| Screw Holding, Edge | Force N | 1000 - 1300 |
| Thickness Swell (24hr) | % | 4 - 5 |
| Wet Bending Strength (Method A) | MPa | 8 - 10 |
| Formaldehyde | mg/L | E0 ≤ 0.5 |

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

Specialty Performance

| Attribute | Tested to | Typical Values | |
|------------------------|--|---|-------------------------|
| Fire Hazard Properties | Cone calorimeter AS/NZS 3837 <i>(In accordance to AS5637.1)</i> | Group Number | 3 |
| | | Average Specific Extinction Area (ASEA) | 49.8 m ² /Kg |

Emissions & Environmental Performance

| Attribute | Tested to | Unit | Minimum Values |
|----------------------------------|---------------|----------------------|----------------|
| Formaldehyde | AS/NZS 1859.2 | mg/L | E0 ≤ 0.5 |
| Volatile Organic Compounds (VOC) | ASTM D5116 | mg/m ² /h | ≤ 0.5 |

Important Information

| Note | Details | | |
|---|---|------------------|---------------|
| Ⓜ ONLY use for internal applications | Claims arising from non-internal applications are not covered under 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 colour changes beyond the tolerances stated in this document, are not covered under warranty | | |
| Ⓜ DO NOT use for high impact or high traffic installations | Claims arising from high impact or high traffic installations are not protected under warranty | | |
| Ⓜ DO NOT allow heat, hot gases or moisture to contact doors or panels | Claims arising from frequent or excessive exposure to heat or moisture are not covered under warranty | | |
| | Claims arising from damage due to front venting oven installations without a heat deflector shield are not covered under warranty | | |
| | Claims arising from damage due to fugitive heat or moisture leaking from appliance seals are not covered under warranty | | |
| | Claims arising from the use of benchtop hot plates without exhaust fan activation or use of an ineffective extraction, are not covered under warranty | | |
| | Claims arising from damage due to hot objects, such as saucepans or irons, contacting the decorative surface, are not covered under warranty | | |
| Ⓜ DO NOT expose to humidity fluctuations | Claims arising from bow, warp or twisting are not covered by warranty | | |
| Ⓜ DO NOT mix different surface materials within a single installation | Claims arising from colour variation, including products with different UV or aging stabilities, 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 warranty | | |
| Ⓜ ONLY use recommended hinge quantities | Claims arising from bow, warp or twisting due to too few hinges or inappropriate door sizes or weights, are not covered under warranty | | |
| | Door Height (mm) | Door Weight (Kg) | No. of Hinges |
| | ≤ 900 mm | ≤ 9 Kg | 2 |
| | ≤ 1600 mm | ≤ 15 Kg | 3 |
| | ≤ 2000 mm | ≤ 19 Kg | 4 |
| ≤ 2400 mm | ≤ 23 Kg | 5 | |
| Ⓜ DO NOT use large one-piece pocket routed door or panel designs | Claims arising from dimensional bowing, twisting or warpage due to the omission of either a central rail or split door construction, are not covered under warranty. | | |
| Ⓜ DO NOT modify or alter the door or panel | Claims arising from any alteration to the decorative face or panel that results in poor adhesion or general surface failure, are not covered under warranty | | |
| Ⓜ DO NOT cut down panels | Claims arising from the effect of heat or moisture ingress attributable to exposed edges of cut down panels, are not covered under warranty | | |
| Ⓜ DO NOT use scribed wall panels with unsealed edges | Claims arising from the effect of heat or moisture ingress attributable to unsealed or poorly sealed scribed wall panel edges, are not covered under warranty | | |
| Ⓜ DO NOT install FormWrap doors or panels in northern regions | Claims for product installations above the latitude of -26.383 degrees (latitude equivalent to Noosa Heads Queensland), are not covered under warranty | | |

Ⓜ Denotes specific warranty conditions apply