

Laminex ColourTech® Doors

Laminex ColourTech Doors are produced on 18.0mm thick white singled sided MR MDF with a two pack polyurethane paint, ready for the tradesperson to install. The ColourTech colour range covers all Laminex laminate plain colours, and is available in either a textured, satin or gloss finish.



APPLICATIONS

ColourTech® Doors, whilst specifically designed to be installed in kitchen, bathroom and laundry applications, and have many alternate applications within the domestic and commercial furniture industries.

It is important to be aware that due to the MR MDF core, ColourTech Doors are only recommended for interior applications.

An extensive range of sizes are available due to the large board size that the doors are made from. Some size restrictions do apply due to machining constraints (Refer to the Laminex ColourTech easy reference chart).

DOOR INSTALLATION

As the door substrate is a wood based panel, it will react to changes in moisture, as will natural timber, and hence humidity

SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2)

| THICKNESS RANGE | | |
|----------------------------|-------------------|---------|
| Property | Unit | 18mm |
| Board Density | kg/m ³ | 735 |
| Internal Bond | KPa | 900av. |
| Modulus of Rupture | MPa | 43av. |
| Modulus of Elasticity | MPa | 3600av. |
| *Screw Holding – Face | N | 1000av |
| *Screw Holding – Edge | N | 1600av |
| Surface Soundness | MPa | 1.7 |
| Thickness Swell 24hr | % | <4 |
| Moisture Resistance MOR(A) | MPa | 9.7 |

*Values reflect new testing methods for screw holding properties in AS/NZS 4266.13-2001 (Int).

variations will influence the extent to which doors will bow. The effect of door bow can be minimised by the installation instructions.

| Minimum specification for number of hinges per door depending on height | |
|---|----------------|
| Door Height | Hinge Quantity |
| 0-850mm | 2 |
| 851mm-1350mm | 3 |
| 1351mm-1800mm | 4 |
| 1801-2400mm | 5 |

Door bow can further be minimised by avoiding large size doors and bar panels. For example, split pantry doors (rather than one tall door) and individual doors for bar panels are recommended.

WEIGHT

| | |
|-------------------------|------|
| Thickness: | 18mm |
| kg per m ² : | 13.0 |

FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

| Indices | Result | Range |
|-----------------|--------|-------|
| Ignitability | 13 | 0-20 |
| Spread of Flame | 6 | 0-10 |
| Heat Evolved | 6 | 0-10 |
| Smoke Developed | 4 | 0-10 |

Cone Calorimeter AS/NZS 3837 (Irradiance of 50kW/m²)

| Classification | Result | Unit/Range |
|----------------------------------|--------|---------------------|
| Group Number | 3 | 1-3 |
| Average Specific Extinction Area | 71.8 | m ² / kg |

THICKNESS

18mm.

DOOR DESIGN RANGE

ColourTech Doors are available in 12 different profiles with seven co-ordinating glaze doors to match. Coupled with an extensive choice of Laminex colours, ColourTech co-ordinates with the Laminex product range, and can create any kitchen or bathroom design from country, classic through to the most contemporary looks. To see the full range phone 132 136 for a copy of the Laminex ColourTech Doors brochure.

General Site Work Notes

Appendix 1. Handling & Product Application Guidelines
Section 9.1

Board Product: Site Work Notes

Appendix 3. Handling & Product Application
Section 9.3

Board Product: Shelf Loadings

Appendix 3. Handling & Product Application, Section 9.3