

Light Reflectance Value (LRV)

Light reflectance value (LRV), is a measure of visible and usable light that is reflected from a surface when illuminated by a light source. The table below shows the average LRV values measured for a range of polytec MELAMINE doors & panels colours.

The colour tone of wood grain prints and stone structures can differ significantly depending on the position of the surface area measured. Generally it is difficult to get a consistent LRV value for wood grain or stone patterns and the value shown is an average unlike solid colours which reflect a consistent result.

| COLOUR | FINISH | LRV |
|----------------|---------|------|
| Artisan Oak | Matt | 17.9 |
| Belgian Oak | Matt | 8.9 |
| Black | Matt | 5.4 |
| Black | Texture | 5.6 |
| Ebony Wood | Matt | 6.1 |
| Fossil | Matt | 11.5 |
| Gesso Lini | Matt | 44.5 |
| Graphite | Matt | 10.7 |
| Native Zebrano | Matt | 39.5 |
| Natural White | Matt | 87.4 |
| Oyster Grey | Matt | 56.0 |
| Palace Teak | Matt | 37.0 |
| Parchment | Matt | 83.9 |
| Polar White | Matt | 88.1 |
| Premium Beech | Matt | 38.9 |
| Rocco Lini | Matt | 25.8 |
| Shannon Oak | Matt | 8.3 |
| Somerstone | Matt | 10.6 |
| Storm | Matt | 8.0 |
| Titanium | Matt | 15.3 |
| Truffle Lini | Matt | 10.2 |
| Tuross Oak | Matt | 41.3 |
| Zinc Alloy | Matt | 47.9 |

| COLOUR | FINISH | LRV |
|-----------------|--------|------|
| Aegean Oak | Ravine | 10.9 |
| Black Wenge | Ravine | 7.4 |
| Bleached Walnut | Ravine | 65.3 |
| Byzantine Oak | Ravine | 9.6 |
| Café oak | Ravine | 12.3 |
| Carmine Oak | Ravine | 21.7 |
| Char Oak | Ravine | 13.4 |
| Citrine Oak | Ravine | 58.4 |
| Distressed Wood | Ravine | 55.0 |
| Drifted Oak | Ravine | 52.7 |
| Madeira Oak | Ravine | 32.6 |
| Maison Oak | Ravine | 31.4 |
| Maroso Milan | Ravine | 18.1 |
| Natural Oak | Ravine | 40.3 |
| Peacock Oak | Ravine | 19.2 |
| Persian Oak | Ravine | 21.7 |
| Saffron Oak | Ravine | 59.2 |
| Satra Wood | Ravine | 38.7 |
| Sepia Oak | Ravine | 24.6 |
| Soft Walnut | Ravine | 55.7 |
| Tessuto Milan | Ravine | 33.9 |
| Verde Oak | Ravine | 24.4 |

| COLOUR | FINISH | LRV |
|-------------------|----------|------|
| Angora Oak | Woodmatt | 46.2 |
| Antico Oak | Woodmatt | 25.8 |
| Black | Woodmatt | 6.0 |
| Bottega Oak | Woodmatt | 8.6 |
| Casentino Beech | Woodmatt | 39.5 |
| Coastal Oak | Woodmatt | 42.0 |
| Empire Oak | Woodmatt | 10.4 |
| Estella Oak | Woodmatt | 8.6 |
| Florentine Walnut | Woodmatt | 15.8 |
| Nordic Oak | Woodmatt | 54.6 |
| Notaio Walnut | Woodmatt | 17.8 |
| Palace Teak | Woodmatt | 36.5 |
| Prime Oak | Woodmatt | 28.4 |
| Tasmanian Oak | Woodmatt | 30.4 |

Contact

For further information on this product, please contact the following:

Borg Manufacturing (ABN 31 003 246 357), 1090 Pacific Hwy, Somersby, NSW 2250, Australia

Telephone: 02 4340 9800 or 1300 300 547 Fax: 02 4340 5841 or 1300 320 547

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, we can accept no responsibility for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage caused by any person acting or refraining from action as a result of this information.

Date of last update: 22 August 2018

Product Properties

| PROPERTY | UNIT | MR-MDF E0 MELAMINE |
|--|-------------------|--------------------|
| Density | Kg/m ³ | 730 |
| Modulus of Rupture (MOR) | MPa | 40 |
| Modulus of Elasticity (MOE) | MPa | 3500 |
| Internal Bond Strength | kPa | 1000 |
| Moisture Content (ex-factory) | % | 8 |
| Thickness Swell (24 hours) | % | 4 |
| Thickness Swell (After Wet Cycling) | % | 4 |
| Internal Bond Strength (After Wet Cycling) | kPa | 400 |
| SCREW HOLDING | | |
| Edge | N | 1000 |
| Face | N | 800 |

Chemical Composition

| CHEMICAL ENTITY | CAS No | PROPORTION |
|--|------------|------------|
| Plantation Soft Wood | None | >80% |
| Urea Formaldehyde (UF) Resin | 9011-05-6 | <20% |
| Melamine Urea Formaldehyde (MUF) Resin | 25036-13-9 | |
| Decorative Paper | None | <2% |
| Paraffin Wax | 8002-74-2 | <1% |

Fire Tests

| EARLY FIRE HAZARD INDICES TO AS 1530.3 | CAS No |
|--|-----------|
| Ignitability Index: | 12-14 |
| Spread of flame index: | 5 – 7 |
| Heat evolved index | 4 – 6 |
| Smoke developed index: | 3 – 5 |
| Paraffin Wax | 8002-74-2 |

Storage and Maintenance

polytec's doors, panels and melamine sheets should be treated with special care, avoid leaning large doors, panels and sheets against walls or other surfaces, this will cause bowing of the product and may void any warranty obligations held by polytec.

When stacking be sure to place on a flat surface, face to face, this will keep the product in its optimal condition, also be sure not to drag the sheets across each other as this will cause the sheets to scratch and damage the surface.

Certification

polytec is committed to an eco-friendly and sustainable environment. It is an intrinsic part of the way we do business daily. Our decisions are made so that they have minimum negative impact on the environment. Our product is manufactured from managed and renewable plantation pine and is Australian Forestry Standard chain of custody certified. All polytec MELAMINE board products are manufactured from E0 or E1 CUSTOMwood MDF. We subscribe to local government environmental initiatives and voluntary audits as well as our own internal Energy and Carbon Management Policy (ECM), which aligns with the Australian Government's Energy Efficiency Opportunities (EEO) program.



Contact

For further information on this product, please contact the following:

Borg Manufacturing (ABN 31 003 246 357), 1090 Pacific Hwy, Somersby, NSW 2250, Australia
Telephone: 02 4340 9800 or 1300 300 547 Fax: 02 4340 5841 or 1300 320 547

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, we can accept no responsibility for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage caused by any person acting or refraining from action as a result of this information.

Date of last update: 12 October 2013