

# Trade Essentials® E0 STD Craftwood®

**Trade Essentials E0 STD Craftwood** is a Medium Density Fibreboard (MDF). With extremely low formaldehyde levels ( $\leq 0.5\text{mg/L}$ ) E0 STD Craftwood is characterised by a stable, homogenous surface with excellent machining properties and is suitable for many types of finishing such as painting, staining, laminating and veneering. E0 STD Craftwood MDF is a wood based panel and reacts to changes in moisture like natural timber, i.e. high or low humidity may cause some expansion or contraction of the board.



## APPLICATIONS

E0 STD Craftwood® MDF is recommended for interior applications only, such as detailed joinery, lacquered furniture, furniture mouldings, built-in furniture, shelving, wall linings and partitions (if used with suitable feature jointing systems), pattern making, toys, clocks and trophies.

**Note:** E0 STD Craftwood MDF should not be exposed to damp conditions or high humidity.

## SHEET SIZES & THICKNESSES

E0 STD Craftwood MDF is available in a large range of thicknesses and sheet sizes. See Appendix 6.

## PROPERTIES

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

| Specifications         | Units             | THICKNESS RANGE & TYPICAL VALUES |         |         |
|------------------------|-------------------|----------------------------------|---------|---------|
|                        |                   | 9-12mm                           | 13-22mm | 23-32mm |
| Thickness Tolerance    | mm                | +/-0.2                           | +/-0.3  | +/-0.3  |
| Density                | kg/m <sup>3</sup> | 760                              | 720     | 700     |
| Internal Bond          | MPa               | 0.75                             | 0.60    | 0.50    |
| Modulus of Rupture     | MPa               | 38.5                             | 34.5    | 31.0    |
| Modulus of Elasticity  | MPa               | 3600                             | 3400    | 3400    |
| Surface Soundness      | MPa               | 0.9                              | 1.2     | 1.4     |
| Screw Holding, Face    | N                 |                                  | ≥ 550   | ≥ 550   |
| Screw Holding, Edge    | N                 |                                  | ≥ 700   | ≥ 700   |
| Thickness Swell (24hr) | %                 | <10                              | <6      | <6      |
| Formaldehyde Level     | mg/L              | ≤0.5                             | ≤0.5    | ≤0.5    |

## WEIGHT

| Thickness             | 9mm | 12mm | 16mm | 18mm | 25mm | 32mm |
|-----------------------|-----|------|------|------|------|------|
| kg per m <sup>2</sup> | 7.0 | 9.0  | 11.6 | 13.1 | 17.6 | 22.1 |

## FIRE HAZARD INDICES

(Typically achieved when tested to AS/NZS 1530.3)

| Indices         | Result | Range |
|-----------------|--------|-------|
| Ignitability    | 14     | 0-20  |
| Spread of Flame | 8      | 0-10  |
| Heat Evolved    | 7      | 0-10  |
| Smoke Developed | 4      | 0-10  |

## FIRE TEST RESULTS

Cone Calorimeter (Results when tested in accordance with AS/NZS 3837)

| Classification                   | Result                 |
|----------------------------------|------------------------|
| Group Number                     | 3                      |
| Average Specific Extinction Area | 47.0 Kg/m <sup>2</sup> |

### 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

### Sheet Size & Thickness Availability

Appendix 6 Section 9:6

### Greenfirst Products

Section 3:1