



DESCRIPTION

Duropal® Duroboard is a range of E1 rated, 16mm, triple-layered, moisture resistant melamine faced chipboard (MFC) which is pre-finished to a hard-wearing decorative surface ready for use. Most Duropal® Duroboard decors are matched in both colour and surface structure to a corresponding Duropal® high pressure laminate thus allowing an indistinguishable match when combining both products together. All Duropal® Duroboard decors are matched with a 1mm high impact Durotrim edge.

APPLICATIONS

Duropal® Duroboard 16mm MFC is suitable for domestic or commercial interior joinery and is widely used for applications for partitions, store fixtures, decorative paneling, door and drawer fronts, carcasses, shelving and other applications that require an aesthetic and durable moisture resistant pre-finished board.

PRODUCT CHARACTERISTICS

Nominal Thickness	16.0mm - permissible deviation +0.5 / -0.3mm
Edge straightness tolerance	1.5 mm/m
Rectangularity tolerance - cross & length	±2.0 mm/2000mm
Density	681 kg/m ³
Moisture content	5.9%
Standard Sheet Size	2655mm x 2100mm - permissible deviation +/- 0.5mm
Surface Finishes & Colour Range	Refer to the Duroboard section of the current Availability Chart and/or Decorative Surfaces Sample Folder.

TECHNICAL DATA

Note: Duropal® Duroboard is tested and conform to DIN 68765 / EN 312 results published below refer to this standard unless otherwise stated.

Test	Result
Bending strength	17.2 N/mm ²
Tensile Strength	1.21 N/mm ² - DIN 68761
Bending coefficient of elasticity	1950 N/mm ² - EN310

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TECHNICAL DATA - continued

Inner bond	0.60 N/mm ²
Screw retention	>800 N – 4mm screw @ 15mm depth
Swelling (24hrs)	16%
Abrasion behaviour	50 - 200 cycles (woodgrains & patterns) 350 - 700 cycles (plain colours)
Scratch resistance	≥ 2 N - subject to surface texture
Resistance to staining Group 1 & 2	Appearance not affected
Resistance to steam	Possible change in gloss
Resistance to cigarette burns	No visible change / slight change of gloss or slight brown staining
Light fastness (Xenon Lamp)	≥ 6 blue scale (general requirement not less than 6)
Cone Calorimeter - AS/NZS 3837	
Group number	B3
Average specific extinction area	40.7 m ² /kg

ENVIRONMENTAL DATA

Quality Management System	ISO 9001 (LGA – InterCert)
Environmental Management System	ISO 14001 (LGA – InterCert) Der Blaue Engel RAL (Blue Angel)
Chain of custody wood resource management	FCS (LGA – InterCert) PEFC (LGA – InterCert)
Formaldehyde emissions class	E1 (Qualtaetsgemeinschaft Holzwerkstoffe)
Formaldehyde content	0.625mg (HCHO / 100g 1)
VOC certification	Certificate of conformity (ISEGA) PCP (Qualtaetsgemeinschaft Holzwerkstoffe)
Polycyclic Aromatic Hydrocarbons	PAH (LGA - TUV Rheinland)

CLEANING RECOMMENDATIONS

The decorative panel is normally robust and does not require any special maintenance.

Light stains or dirt	Use a soft moist cloth or a soft sponge. When using water for cleaning, ensure you wipe off the surface afterwards with an absorbent paper towel.
Normal stains or dirt	Use a soap solution or normal household cleaning agents (e. g. Nifty or Spray & Wipe). Use of abrasive cleaners should be avoided. Cleaning agents should be removed completely after a short time, in order to avoid streaking.
Heavy stains or dirt	Use a non abrasive household cleaning agent such as Nifty or similar.