



DESCRIPTION

Thermopal® 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. All Thermopal® Duroboard decors are matched in both colour and surface structure to a corresponding Thermopal® high pressure laminate thus allowing an indistinguishable match when combining both products together. All Thermopal® Duroboard decors are matched with a 1mm high impact Durotrim edge.

APPLICATIONS

Thermopal® 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/m
Density	600-700 kg/m ³ – EN323
Moisture content	5 -13% – EN 323
Standard Sheet Size	2750mm x 2020mm - 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: Duroboard is tested and conform to EN 14323 & EN 312 results published below refer to this standard unless otherwise stated.

Test	Result
Bending strength	≥ 16 N/mm ² – EN310
Perpendicular tensile Strength	≥ 0.45N/mm ² – EN319
Bending coefficient of elasticity	≥ 2400 N/mm ² – EN310

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TECHNICAL DATA - continued

Screw retention	≥ 700 N – EN317
Moisture expansion (24hrs)	≤10%
Abrasion behaviour	50 - 200 cycles (woodgrains & patterns) 350 - 650 cycles (plain colours)
Scratch resistance	1.5 - 3 N - Subject to surface texture and colour
Resistance to staining Group 1 & 2	≥3 moderate change in gloss and/or colour
Colour fastness	≥ 4 (Grey scale) except metallic designs
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)
VOC certification	Certificate of conformity (ISEGA) PCP (Qualtaetsgemeinschaft Holzwerkstoffe)
Polycyclic Aromatic Hydrocarbons	PAH (LGA - TUV Rheinland)

CLEANING RECOMMENDATIONS

Thermopal® Duroboard decorative panels are normally robust and do 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 a household cleaning agent such as (e. g. Nifty or Spray & Wipe). However, 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.