



PRODUCT SPECIFICATION SHEET

FORESCOLOR - PLAIN



Description

FORESCOLOR Plain MDF is a solid consistent colour from the surface all the way through. This allows various visual design effects to be created and offers an extensively diverse range of applications. Available in nine colours, three thicknesses and in plain and embossed. Can be clear coated for extra colour depth and durability.

Visual Features

Using eco-friendly colour fast materials FORESCOLOR Plain panels provide depth of colour and textures to enable interior spaces to be transformed. Can be machined to create 3 dimensional effects, for limitless design imagination. For premium colour and stability, use a polyurethane coating with UV filter. For premium colour and stability, use a polyurethane coating with a UV filter.

Applications

- Shop Fitouts
- Signage
- Exhibitions
- Bookshelves
- Furniture & Toys
- Art works
- Interior Use Only

Advantages

Coloured Throughout: Coloured all the way through, even after machining, ease of repair, does not require edging

Non-Toxic: Friendly ultra low emissions, can be used for toys and internal furniture & linings

Tool Friendly: Ready machined with low abrasion and free-clearing cutting

Easy To Machine: Excellent bond strength, low fibre size and high machining strength provides sharper stronger edges

Ease of Coating: Easily coated to a satin or gloss finish to provide protection

Moisture Resistant: Moisture resistant due to a high content of melamine resin. Always use with correct finishing protection.

Certifications

Fully tested in accordance with KS F3200

E0 Class or better emission KS F 3200

FSC® Chain of Custody accredited

Meets NCC Group 3 with low smoke & flame spread

California Air Resources Board (CARB) approved

KS Mark KS F 3200 Fibreboard

Availability

2,440 x 1,220 mm sheets. 5, 9 & 18mm thicknesses. Supplied individually or multi-sheet packs.

Contact Customer Service for information & availability.

Certification



ISO 9001 manufacture
California Air Resources Board
(CARB) ATCM 93120 Phase 2
compliant

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Technical Description

FORESCOLOR is a solid wood based panel board which is E0 rated is composed of wood, resin, wax and natural organic dyes.

Specification

FORESCOLOR solid wood based panel board which is composed of wood, resin, wax, natural colours, exhibiting extremely low E0 levels of formaldehyde emission and contains no toxic materials.

Other Applications

Hotel & Restaurant Interior, Commercial & Office Fit Out, Healthcare, Education, Internal Door & Window Mouldings, Furniture, Interior Decoration, Decorative Acoustic Linings, Kitchen* & Bathroom*, Wall Panel Interior, Exhibition booths, Stage, Signs, Toys & Furniture.

Technical Information

Thickness	5mm	9mm	12mm	18mm
Tolerance Thickness mm	± 0.4	± 0.4	± 0.4	± 0.5
Tolerance Length/Width mm	± 3.0	± 3.0	± 3.0	± 3.0
Density kg/m ³ dry	800	760	740	720
Swelling per 24hrs %	20	12	10	8
Internal Bond N/mm	1.0	0.8	0.8	0.7
Hardness (Janka) kN	TBA	TBA	TBA	TBA
Bending Strength N/mm ²	35	35	35	35
Modulus of Elasticity N/mm ²	>3,000	>3,000	>3,000	>3,000
Formaldehyde Emission E0	<0.5	<0.5	<0.5	<0.5
Toxicity ¹	Pass	Pass	Pass	Pass

Notes: Specifications in accordance with KS F 3200 Fibreboard

(1) EN 71-3:2013 Migration of certain elements, EN71-9:2013 Organic chemical compounds & ISO 8124:2009 Safety of toys

Fire Rating Information

Tested in accordance with AS 3837-1998 Group 3 rating

Tested in accordance with AS 1530.3-1999 Ignitability Index: 14, Heat Evolved Index: 1, Spread of Flame: 0, Smoke Developed Index: 3

Installation

* Must be fully sealed in all high humidity applications.

May be coated with water or solvent based polyurethane coatings. Refer to your coating supplier.

Cut and machine using similar procedures as a MDF material. Refer to your fabricator for processing.

It is recommended to use EVA adhesive for Cold Press and UF resin+PVAc for Hot press applications.

Storage and Handling

Store in a dry, sheltered area. Protect from rain or direct sunlight with plastic covering.

Store compact sheets flat, do not stand the sheets against a wall vertically.

When storing make sure there are no cavities between sheets.

Move sheets gently to avoid damage especially if using a forklift or suction lift.

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Every effort has been made to ensure the quality of this information yet is of a general nature. Seek professional advice for specific applications.