

The Specifiers Guide

MDF

MDF

Medium Density Fibreboard



This guide details a range of MDF products along with
technical data for all specifications



MDF Panels which are Suitable for a Variety of Applications

High quality MDF panels

MDF (Medium Density Fibreboard) is a smooth faced, high quality board with a regular density throughout the panel and no 'natural defects' such as knots and grain/colour variation as seen in other panel products.

Its biggest strengths are that it is very easy to machine and easy to laminate or veneer onto. MDF therefore often replaces solid timber in many construction and furniture-based applications.

Key attributes of MDF panels includes:

- Smooth surfaces
- Consistent density throughout
- No natural defects i.e knots, splints, colour variation
- Ease of machining and edge detail profiling
- Excellent flatness and stability

An extensive range of types, thicknesses and sizes are available to satisfy the needs of many industries.



MDF PANEL TYPES

| Panel Core/Substrate | Key Features | Applications |
|---|---|---|
| Standard  | <ul style="list-style-type: none"> Original panel characteristics Multi-Purpose Durable Easy to cut & machine Smooth surface | <ul style="list-style-type: none"> Furniture Shopfitting Wall panelling Exhibition displays Public buildings |
| Trade  | <ul style="list-style-type: none"> General constructional purposes Lower density and weight Easier handling Smooth surface | <ul style="list-style-type: none"> Mobile homes Furniture Exhibitions Shopfitting Aircraft Interiors |
| Ultralight  | <ul style="list-style-type: none"> Smooth surface Minimal density and weight saving whilst still retaining excellent machining and finishing properties. | <ul style="list-style-type: none"> Mobile homes Furniture Exhibitions Shopfitting Aircraft/Shipbuilding |
| Moisture Resistant  | <ul style="list-style-type: none"> Moisture resistant Ideal for humid conditions Smooth surface | <ul style="list-style-type: none"> Architectural mouldings Bathroom/Kitchen furniture Shop/Bar fitting General joinery Skirting boards |
| Exterior  | <ul style="list-style-type: none"> Versatile external panel Meets Class D durability No added formaldehyde Durable | <ul style="list-style-type: none"> Signage Shop fronts External woodwork Garden furniture Sports scoreboards |
| Fire Retardant  | <ul style="list-style-type: none"> Flame retardant Euroclass B or C rating Low levels of formaldehyde | <ul style="list-style-type: none"> Public buildings Exhibitions Wall linings/ceilings Partitions Display panels |
| Melamine Faced  | <ul style="list-style-type: none"> Extensive decorative finishes Easily machinable Consistent panel | <ul style="list-style-type: none"> Shop/Bar fitting Hotels Furniture Fire surrounds Boat fit outs |
| Decorative Veneered  | <ul style="list-style-type: none"> High quality Easily machinable Consistent core for edge detailing | <ul style="list-style-type: none"> Furniture Exhibitions/Displays Interior design Kitchens Bathrooms |

MDF Quick Reference Guide

| Trade Term | Class | Typical Average Density | Application & Climatic Condition | Use Class |
|--------------------|---------|-------------------------|---|-------------------|
| Standard | MDF | 650 Kg/m ³ | General purpose boards for dry conditions | Use Class 1 |
| Trade | L. MDF | 625 Kg/m ³ | Light MDF boards for dry conditions | Use Class 1 |
| Ultralight | UL2.MDF | 520 Kg/m ³ | Ultra-light MDF boards for dry conditions | Use Class 1 |
| Moisture Resistant | MDF.H | 720 Kg/m ³ | General purpose boards for humid conditions | Use Class 1 & 2 |
| Exterior | MDF.H-2 | 770 Kg/m ³ | General purpose boards for humid conditions | Use Class 1,2 & 3 |



CONTACT:

Hanson Plywood Limited
Drakes Industrial Estate
Shay Lane, Halifax
West Yorkshire, HX3 6RL

Tel: 01422 330444
Fax: 01422 330706
Email: sales@hanson-plywood.co.uk
www.hanson-plywood.co.uk

For more information visit: www.hanson-plywood.co.uk

