

Technical Data Sheet

Bestwood Melamine

APRIL 2020

10 Year
WarrantyUV
StableEasy
to Clean

Bestwood Melamine is a low pressure laminate pressed onto particleboard or MDF substrates. Stylish, durable and cost effective, Bestwood Melamine is suitable for use in cabinetry, shelving and furniture.

Bestwood Melamine Panels are available in solid colours, patterns or woodgrain designs, and can be pressed single-sided or double-sided on a range of thicknesses.



1. INTENDED USE

Bestwood Melamine can be used for doors, drawers and panels in kitchens, wardrobes, wall linings, bathroom vanities, laundries, commercial furniture, shop fittings and shelving.

2. LIMITATIONS

Bestwood Melamine is not suitable for use in exterior applications or interior applications where ambient environmental moisture content is likely to be elevated for extended periods such as interior swimming pool, sauna or industrial wet areas.

While Bestwood Melamine has excellent water and vapour resistance, care should be taken not to expose raw edges or edging to high moisture applications.

Where Bestwood Melamine is required to meet the requirements of the New Zealand Building Code, or forms part of a building system, the application and supporting structures must be designed by suitably qualified design professionals.

This data sheet should be read in conjunction with the limitations outlined in the relevant Bestwood substrate Technical Data Sheet.

April 2020

3. MANUFACTURE

The Bestwood Melamine surface is made from plain coloured or printed décor paper impregnated with melamine resin. The base paper weight of between 70 g/m², and 120 g/m² results in a finished surface lamination thickness of between 0.075mm and 0.200mm.

The melamine laminated surface is pressed under heat and pressure onto the substrate between metal press plates at the New Zealand Panels Group manufacturing facilities in Auckland and Nelson. The metal press plate determines the texture of the finished surface.

4. PHYSICAL PROPERTIES

The physical properties and characteristics below are for the laminated melamine surface only. These should be read in conjunction with the appropriate Bestwood substrate physical properties.

Bestwood Melamine paper is sourced from a number of international suppliers, the following table is intended to be indicative of the properties and are representative of most sizes, colours and textures.

There are no additives, preservatives, fungicide or pesticides used for the storage or transport of this product.

| Test | Method | Unit | Solid Colours | Printed Patterns |
|--------------------------------|-------------------------|-------------|--|------------------|
| Appearance | AS/NZS 4266.2 Section 2 | Visual | Complies with AS/NZ 1859.3:2017 Clause 2.2 | |
| Resistance to Surface Abrasion | AS/NZS 4266.2 Section 3 | Revolutions | > 500 | > 100 |
| Porosity | AS/NZS 4266.2 Section 5 | Rating | Faint marking | |
| Steam Resistance | AS/NZS 4266.2 Section 6 | Rating | No visible swelling | |
| Cracking Resistance | AS/NZS 4266.2 Section 7 | Visual | No visible cracks or micro cracks | |
| | | | | |
| Stain Resistance | | | | |
| | | | | |
| Beetroot Juice | AS/NZS 4266.2 Section 8 | Visual | Complete removal | |
| Coffee | | | Faint Stain | |
| Tomato Sauce | | | Complete removal | |
| Black Pen | | | Complete removal | |
| Shoe Polish | | | Complete removal | |

5. SUBSTRATE OPTIONS

Bestwood Melamine is available pressed onto substrates including MDF Standard, MDF MR (moisture resistant), MDF FR (fire resistant), MDF FR Black, Particleboard and Particleboard MR. Please refer to the substrate chart on the Bestwood website. For specific tolerances and details, refer to the dedicated Technical Data Sheet for each of the substrate options also available on the Bestwood website

www.bestwood.co.nz

6. ENVIRONMENTAL CHOICE

Bestwood Melamine carries an Environmental Choice certification when pressed on 6mm MDF or thicker, and 9mm Particleboard or thicker. The Environmental Choice certificate is available to download on the Bestwood website www.bestwood.co.nz

To view all of the Environmental Choice certified products from New Zealand Panels Group, view our profile on the Environmental Choice [website](#).

7. COMPLIANCE

New Zealand Building Code, Clause C Fire:

Bestwood Melamine has been tested using Bestwood MDF FR as the core in accordance with ISO 5660-1, Heat Release and Smoke Production by BRANZ, an accredited testing authority, for the purpose of establishing Group Classification in accordance with the NZBC Verification Method C/VM2 Appendix A. The Group Classification applicable to 10mm–18mm Bestwood Melamine over Bestwood MDF FR is Group Number 1S.

Clause B2 Durability: Bestwood Melamine meets the durability requirements for interior linings of five years in accordance with B2 3.1 (c).

8. SUSTAINABILITY

As a leader in the panel industry, New Zealand Panels Group adopts and promotes sustainable business practices designed to minimise our environmental impact.

The company continues to search out alternative products to meet the growing needs of our environmentally conscious customers, while creating processes in our manufacturing plant that are mindful of the environment for future generations.

April 2020

Some of the sustainable principles include:

- The use of sustainably sourced veneers, melamine and boards.
- Supplying low formaldehyde board. Both MDF Standard and MDF MR are rated E0.
- Reducing manufacturing waste.
- Developing new processes to minimise energy consumption.
- Our purpose-built plant in East Tamaki features a number of initiatives that have significantly improved our environmental footprint, including a GreenStar 4 star rating for the building.

9. CARE AND MAINTENANCE

Bestwood Melamine is low maintenance and easy to clean. Simply wipe down with a clean, damp cloth. With stubborn grease and grime, use vinegar diluted with water or Selleys Sugar Soap.

Important: Always wipe with a damp cloth, then a dry cloth after cleaning to remove moisture. Never use abrasive cleaners or cleaning tools on Bestwood Melamine such as; Jif, Vim, Brasso, steel wool or abrasive sponges. We also recommend caution in using bleach and alcohol-based cleaners.

10. HEALTH AND SAFETY

Bestwood Melamine should be handled in accordance with the Bestwood Melamine and Veneer Materials Safety Data Sheet (MSDS) which is available online at www.bestwood.co.nz

Dust from wood and resins used in the manufacture of Bestwood Melamine are known health hazards. When machining Bestwood Melamine panels, including drilling, planing, routing and sawing, a suitable class P1 or P2 respirator should be worn along with non-fogging safety glasses.

To avoid cuts from sharp edges suitable protective gloves should be worn.

Where Bestwood MDF Standard or MDF MR substrate is selected in Bestwood Melamine, formaldehyde emission class E0 = less than 0.5mg/litre.

11. HANDLING AND STORAGE

Store only in dry interior conditions on a minimum of three bearers across the full width of the panels keeping the panels flat at all times.

- Avoid leaning panels against walls.
- Do not store or transport panels in direct sunlight.
- Store panels where construction traffic and construction activity will not damage panels.
- Treat panels as a finished product and avoid dragging panels on the outer surface or across other surfaces.

12. WARRANTY

New Zealand Panels Group offers a 10 year warranty on its Bestwood Melamine provided it is used for its intended purpose as interior cabinetry, and stored and installed in accordance with best practice, in a tradesman like manner and in accordance with relevant Standards and New Zealand Building Code requirements. To view a copy of the full warranty, please download from our website at www.bestwood.co.nz

13. TECHNICAL SUPPORT

Further information and technical support is available by contacting Bestwood on 0800 866 678. This publication was updated in April 2020. Please ensure that you are using the latest publication by contacting Bestwood or downloading the latest Technical Data Sheet from www.bestwood.co.nz. Bestwood, a business unit of New Zealand Panels Group, reserves the right to make changes to information in this publication without notice.

14. HANDY LINKS AND REFERENCES

Bestwood Melamine Warranty Document
www.bestwood.co.nz

Bestwood Melamine MSDS
www.bestwood.co.nz

15. CONTACT US

Bestwood Customer Service
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