



Bestwood Acrylic

Technical Data Sheet

- High Scratch resistance
- Easy to clean
- UV-stable
- Matched edge tape

PRODUCT DESCRIPTION

Bestwood Acrylic is a high-end multi-use panel suitable for a range of cabinetry and building applications. Bestwood Acrylic consists of extruded acrylic film glued and pressed either onto MDF MR/EO board or MDF standard board.

Bestwood Acrylic is supplied double-sided and comes in a range of on-trend colours together with matching edging in standard PVC or laser option.

Bestwood Acrylic edging is a tape that comes in two formats – acrylic for EVA/PUR application and acrylic for laser application.

INTENDED USE

Bestwood Acrylic is intended for use on doors and panels for interior cabinetry such as kitchens, bathrooms and furniture in high end residential applications. Bestwood Acrylic is also ideal for commercial applications such as office furniture or reception areas or wall panelling.

The high-gloss acrylic colours produce a glass-like mirror finish without the imperfections and reflection distortions associated with other high gloss lacquer finishes while offering excellent scratch and chemical resistance.

LIMITATIONS

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

Bestwood Acrylic should not be exposed to direct heat contact from such items as metal cookware.

Bestwood Acrylic is not suitable for use as splashbacks or where it is exposed to heat greater than 70o C.

This data sheet should be read in conjunction with the limitations outlined in the Golden Edge Technical Data Sheet.

Where Bestwood Acrylic 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.

MANUFACTURE

The acrylic film used in the manufacture of Bestwood Acrylic is manufactured in Europe by Senoson a leading manufacturer of acrylic film. The acrylic sheet is pressed on to an MDF standard or MDF MR/EO substrate at NZ Panels Group's Auckland manufacturing facility to exacting standards to produce Bestwood Acrylic double-sided panels. Sheets are pressed using a polyurethane-based adhesive, manufactured in Europe by Kleiberit.

Panel Availability

Colour	Panel Size	Acrylic film thickness	16mm substrate Finished size	25mm substrate Finished Size	30mm substrate Finished Size
			MDF STD & MDF MR/EO	MDF STD	MDF STD
Ice White, Cashmere	2440 x 1220 2750 x 1220	0.7mm	17.4mm	26.4mm	31.4mm
Barley, Blackout	2440 x 1220 2750 x 1220	0.8mm	17.6mm	26.6mm	31.6mm
Silverado*, Glitz*, Starstruck*	2440 x 1220 2750 x 1220	1.0mm	18mm	27mm	32mm

*Metallic finishes are directional. Ensure all arrows on the film point in the same direction

Edging Availability

Colour	Acrylic standard edging		Acrylic laser edging	
Ice White, Cashmere, Barley, Blackout	23 x 0.8mm	53 x 0.8 mm	23 x 0.8mm	53 x 0.8 mm
Silverado, Glitz, Starstruck	23 x 1.0mm	53 x 1.0mm	23 x 1.0mm	53 x 1.0mm

The physical properties and characteristics above are for the acrylic film only. These should be read in conjunction with the MDF substrate physical properties.

Physical Properties of Acrylic Film - Gloss

Properties	Value	Method
Density	>1.07 <1.11 g/cm ³	ISO 1183-1
Scratch Resistance	Class 1 (Method A)	IHD W-466
Top Surface Gloss	>85 GLE	Viewed at 60°
Colour Fastness (Indoor application) Total colour difference 200h Xenon test	DE <1.7	ISO4892-2
Resistance to Steel Wool	Class 1- No visible change	Seno Company test method
Resistance to Dry Heat- Rating Group 7D	75 Co	DIN 68861/T7
Resistance to Dry Heat- Rating Group 8B	70 Co	DIN 68861/T8
Behaviour to Water Vapour- Module 2	No visible changes	AMK
Chemical Resistance – Rating Group 1B	No visible change	DIN 68861/T1

HANDLING AND STORAGE

- Do not store or transport panels in direct sunlight.
- Store only in dry interior conditions on a minimum of three bearers across the full width of the sheet keeping the sheets flat at all times. Avoid leaning sheets against walls.
- Store sheets where construction traffic and construction activity will not damage sheets.

- Treat sheets as a finished product and avoid dragging sheets on the outer surface or across other surfaces.

Bestwood Acrylic comes with a protective film on the face of the acrylic sheet. The protective film must be left on during both machining and installation and not be removed until all trades have finished and the cabinetry is ready for use. Avoid the use of abrasive cleaners and avoid exposure to chemicals.

CLEANING

A micro-fibre cloth or wet chamois with a solvent-free, non-abrasive cleaner or detergent is recommended.

- Do not use brushes, scourers or scrapers
- Avoid paper towels and do not dry-wipe the Bestwood Acrylic surface
- Vuplex can be used to keep the acrylic surface in the best condition – weekly use is recommended.

SUSTAINABILITY

The MDF substrate used for Bestwood Acrylic is manufactured from plantation grown timber cut from sustainable forests and Forestry Stewardship Council (FSC certified) on request.

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

NZ Panels Group 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.

Some of the sustainable principles include:

- Promoting the use of FSC (Forest Stewardship Council) controlled veneers, melamine and MDF boards
- Supplying Low Formaldehyde MDF board.
- Reducing our manufacturing waste.
- Control of manufacturing waste such as separating waste for recycling.
- Reducing and developing new processes to minimise energy consumption. Our new 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 buildings.

HEALTH AND SAFETY

Bestwood Acrylic should be handled in accordance with the Bestwood Acrylic Materials Safety Data sheet (MSDS).

Dust from wood and resins used in the manufacture of Bestwood Acrylic panels are known health hazards. When machining Bestwood Acrylic sheets, 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.

The MDF substrate used in Bestwood Acrylic meets formaldehyde emission class E0 – less than 0.5 mg/litre.

WARRANTY

NZ Panels Group offers a seven year warranty on its Bestwood Acrylic panels provided they are used for their intended purpose for internal cabinetry and installed in accordance with best practice, in a tradesman like manner and in accordance with relevant Standards and New Zealand Building Code requirements.

Handy Links and References

- NZ Building Code Compliance Documents www.building.govt.nz/building-code-compliance
- NZBC Clause B2 www.building.govt.nz/building-code-compliance/b-stability/b2-durability/
- Full Warranty Statement – www.bestwood.co.nz
- Bestwood Acrylic MSDS – www.bestwood.co.nz

TECHNICAL SUPPORT

Further information and technical support is available by contacting Bestwood on 0800 866 678.

This publication was issued in April 2017. 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.

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