



Scratch
Resistance



Easy to
Clean



UV
Stable



Matched
Edge Tape

Updated
May 2017

Prime Acrylic

Technical Data Sheet

Acrylic and Acrylic Edging

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

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

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

1. Intended Use

Prime Acrylic is intended for use on doors and panels for interior cabinetry such as kitchens, bathrooms and furniture in high end residential applications. Prime 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.

2. Limitations

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

Prime Acrylic should not be exposed to direct heat contact from such items as metal cookware. Prime Acrylic is not suitable for use as splashbacks or where it is exposed to heat greater than 70°C.

This data sheet should be read in conjunction with the limitations outlined in the Prime MDF Data Sheet. Where Prime 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.

3. Manufacture

The acrylic film used in the manufacture of Prime Acrylic is manufactured in Europe by Senosan a leading manufacturer of acrylic film. The acrylic sheet is pressed on to Prime MDF standard or Prime MDF MR/EO core in Prime Panel's Auckland manufacturing facility to exacting standards to produce Prime Acrylic double-sided panels. Sheets are pressed using a polyurethane-based adhesive, manufactured in Europe by Kleiberit.

Panel Availability

Panel Size		2440 x 1220mm Panel			2750 x 1220mm Panel		
Substrate Type		MDF MR/EO	MDF MR/EO	MDF MR/EO	MDF MR/EO	MDF STD	MDF STD
Substrate Thickness		16mm	25mm	30mm	16mm	25mm	30mm
Finished Panel Thickness (mm)							
Whites	Ash / Arctic Alabaster / Vanilla	17.4	26.4	31.4	17.4	26.4	31.4
Colours	Black / Carbon	17.6	26.6	31.6	17.6	26.6	31.6
Metallics *	Galaxy / Pewter / Champagne / Milky Way	18	27	32	18	27	32

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

Edging Availability

Colour	Acrylic standard edging (mm)		Acrylic laser edging (mm)	
Ash / Arctic / Alabaster / Vanilla / Black / Carbon	23 x 0.8	53 x 0.8	23 x 0.8	53 x 0.8
Galaxy / Pewter / Champagne / Milky Way	23 x 1.0	53 x 1.0	23 x 1.0	53 x 1.0

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

4. 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	ISO 4892-2
Resistance to Steel Wool – Class 1	No visible change	Seno Company Test
Resistance to Dry Heat – Rating Group 7D	75°C	DIN 68861/T7
Resistance to Dry Heat – Rating Group 8B	70°C	DIN 68861/T8
Behaviour to Water Vapour – Module 2	No visible change	AMK
Chemical Resistance – Rating Group 1B	No visible change	DIN 68861/T1

5. Handling & Storage

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

Prime 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.

6. 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 Prime Acrylic surface
- Vuplex can be used to keep the acrylic surface in the best condition – weekly use is recommended.

7. Sustainability

The MDF core used for Prime 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.

Prime Panels 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.

8. Health and Safety

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

Dust from wood and resins used in the manufacture of Prime Acrylic panels are known health hazards. When machining Prime 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. Where Prime MDF MR/EO substrate is selected, this meets the formaldehyde emission class EO – less than 0.5 mg/litre.

Contact Us

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9. Warranty

NZ Panels Group offers a seven year warranty on its Prime 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.

10. Handy Links and References

NZ Building Code Compliance Documents
www.building.govt.nz/assets/Uploads/building-code-compliance

NZBC Clause B2
www.building.govt.nz/building-code-compliance/b-stability/b2-durability

Prime Panels
www.primepanels.co.nz

Prime Acrylic Materials Safety Data Sheet
www.primepanels.co.nz

11. Technical Support

Further information and technical support is available by contacting Prime Panels on [0800 477 463](tel:0800477463).

This publication was issued in May 2017. Please ensure that you are using the latest publication by contacting Prime Panels or downloading the latest Technical Data Sheet from www.primepanels.co.nz.

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