



Scratch  
Resistant



Hygienic  
Surface



7 Year  
Warranty

Updated  
July 2017

# Prime Laminate

## Technical Data Sheet

**Prime Laminate** is a high-pressure laminate surface noted for its durability, non-porous hygienic surface and affordability. The majority of the Prime Laminate Benchtop Collection is post-formable, with the exception of the Soft-Matt designs. The Panels Collection is not post-formable.

Prime Laminate designs encompass a range of finishes ranging from gloss, through to soft-touch matt finishes and softly textured matt finishes. Laminates range in thickness from 0.7–1.0mm, unpressed.

### 1. Intended Use

Prime Laminate is intended for use as a benchtop or interior panel, primarily for kitchen, bathroom and laundry cabinetry and shelving or furniture in commercial environments.

It can be used for interior applications where ambient environmental moisture content is likely to be elevated for extended periods such as bathroom, laundry and kitchen cabinetry.

### 2. Limitations

Prime Laminate is not suitable for use in exterior applications and is not structurally graded.

Where Prime Laminate 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

Prime Laminate is sourced from a variety of international suppliers and where required, pressed onto ply or MDF panels.

### Panel Availability

Sheet sizes for the Prime Laminate Benchtop Collection and Panel Collections vary by colour (and supplier). See the table below.

Type	Sheet Size (mm)	Colours
Prime Laminate Benchtop Collection (*non post-formable)	3660 x 1530	Avena, Black, Black Graf, Calcestruzzo, Ciottolo, Crema, Everest, Granito Negro, Konkreto, Luna Grigio, Minerali Crema, Misto Grigio, Sabbia Argento, Smoke Kripto, Snow Drift, Style White, Tempesta, Avena, Black
	3660 x 1230	Black Velvet*, Minx*, Surrender*
	3650 x 1360	Aspen Stone, Athena Stone, Barrington Marble, Basalt Pearl, Bernini Marble, Blanco Marquina, Buffalo Stone, Buller Stone, Calacutta D'Oro, Calacutta Grey, Catalina Marble, Concrete Fabrini, Dark Concrete, Desideria Marble, Grey Concrete, Iron Stone, Kuringai Stone, Navona Stone, Norfolk Terrazo, Pearl Fabrini, Portland Stone, Snow Fabrini, Tunisia Stone, White Concrete
	3650 x 1220	Bottega Oak, Char Oak, Coastal Oak, Distressed Wood, Florentine Walnut, Natural Oak, Notaio Walnut, Palace Teak, Baroque

Type	Sheet Size (mm)	Colours
Prime Laminate Panels Collection	2440 x 1230	Black Velvet, Envious, Foxy, Minx, Surrender
	2440 x 1220	Banana Wood, Bianca Roselba, Black, City Chic, Copper Foil, Copper Taint, Cyclone, Dust, Hamptons Elm, Lofty Oak, Louisiana Oak, Mid Century, Magnetic Whiteboard, Moonstone, Plush Anegre, Suede, Sovereign Oak, Pearl Grey, Pure White, Ruptured Oak, Smog, Sublime Oak, Wool
	3660 x 1220	Brushed Stainless
	3650 x 1220	Brushed Aluminium
	3050 x 1220	Magnetic Whiteboard

Prime Laminate is sourced from several international manufacturers and while manufacturing method and raw materials are very similar the physical properties of Prime Laminates may vary according to manufacturer, colour and texture.

## Panel Collection – Substrate Options

The Panels Collection is available at one size in a pressed sheet at 1220 x 2440mm. It can be pressed onto a variety of substrate options as per the table below. Options include moisture-resistant MDF and a variety of ply cores which make an attractive finish when exposed.

	Accreditations					Available board thicknesses (mm)											
	FSC	ENV	CB II	E0	E1	4	6	9	10	12	15	16	18	24	25	30	
<b>MDF</b>																	
<b>Standard</b>																	
2440 x 1220mm	✓	✓			✓		✓	✓		✓		✓	✓		✓	✓	
<b>Moisture Resistant</b>																	
2440 x 1220mm	✓	✓			✓					✓		✓	✓		✓	✓	
<b>FR MDF</b>																	
<b>Natural</b>																	
2440 x 1220mm	✓	✓		✓						✓	✓		✓				
<b>Black</b>																	
2440 x 1220mm	✓	✓		✓						✓							
<b>Particle Board</b>																	
<b>Standard</b>																	
2440 x 1220mm		✓		✓				✓		✓		✓	✓		✓	✓	
<b>Moisture Resistant</b>																	
2440 x 1220mm		✓		✓								✓	✓				
<b>Plywood</b>																	
<b>Birch</b>																	
2400 x 1220 (BB/BB)	✓		✓		✓						✓		✓	✓			
2440 x 1220 (B/BB)	✓		✓		✓					✓			✓	✓			
<b>Feather</b>																	
2400x 1220 (BB/CC)			✓	✓				✓		✓	✓		✓	✓			
<b>Gaboon</b>																	
2440 x 1220 (B/BB)				✓			✓	✓		✓	✓		✓		✓	✓	

**KEY**

- FSC Forest Stewardship Council
- ENV Environmental Choice
- CB II California Air Resources Board Phase II Compliant
- E0/E1 Formaldehyde Emission Level

## 4. Physical Properties of Prime Laminate

The following table is intended to be indicative of the properties and are representative of most sizes colours and textures. Individual properties tables are available on request.

Properties	Typical Value	Test Method
Sheet Thickness (Unpressed)	0.7-1.0 mm	
Density	1350kg/m <sup>3</sup>	DIN 53479
Panel Tolerance		
Length/Width	+/- 0.5mm	DIN 16926
Thickness	+/- 0.1mm	DIN 16926
Colour Stability	Blue Wool Standard min 6	AS/NZS 2924.1
Thickness Swell (24 hours at 20°C)	3.75%	EN 317
Tensile Strength	>80 N/mm <sup>2</sup>	DIN 53457
Flexural Strength	>90 N/mm <sup>2</sup>	DIN 53457
Resistance to Impact (Hard Body)	>20 N	AS/NZS 2924.1
Scratch Resistance	e 2	AS/NZS 2924.1
Wear Resistance	e 350	AS/NZS 2924.1
Steam Resistance	e 4	AS/NZS 2924.1
Dry Heat Resistance (180°C)	e 4	AS/NZS 2924.1
Stain Resistance Group 1 & 2	e 5	AS/NZS 2924.1
Stain Resistance Group 3 & 4	e 4	AS/NZS 2924.1

## 5. Compliance

### New Zealand Building Code

- **Clause B2 Durability:** Prime Laminate Panels meet the durability requirements for interior linings of 5 years in accordance with B2 3.1 (c)

## 6. Handling & Storage

Prime Laminate panels must be stored 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. Prime Laminate when supplied in rolls should be unpacked and rolled flat to avoid it retaining any 'memory' and stored between protective sheets in an environment 10 degrees or warmer. It is not recommended that any work is done on sheets if they are below this temperature.

## 7. Sustainability

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.

We continue 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 boards
- Supplying low formaldehyde 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 has been designed as a GreenStar 4 star building and features a number of initiatives that have significantly improved our environmental footprint.

## 8. Health & Safety

Prime Laminate should be handled in accordance with the Materials Safety Data sheet (MSDS) for Prime Laminate products. The MSDS is available for download from [www.primepanels.co.nz](http://www.primepanels.co.nz).

Where Prime Laminates are supplied bonded to a panel substrate the appropriate MSDS should be read in conjunction with the Prime Laminate MSDS.

Dust from resins used in the manufacture of Prime Laminate are known health hazards. When machining Laminate, 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.

## Contact Us

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**Important Note:** Magnetic panel and metallic design laminates contain metal particles which may produce sparks during machining of the product. Appropriate precautions must be taken to avoid associated issues such as combustion of dust in the work area.

## 9. Warranty

NZ Panels Group offers a seven-year warranty on its Prime Laminate provided it is used for its intended purpose as an interior decorative benchtop or panel 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.

## 10. Handy Links and References

NZ Building Code Compliance Documents  
[www.building.govt.nz/assets/Uploads/building-code-compliance](http://www.building.govt.nz/assets/Uploads/building-code-compliance)

NZBC Clause C VM2  
[www.building.govt.nz/assets/Uploads/building-code-compliance/c-protection-from-fire](http://www.building.govt.nz/assets/Uploads/building-code-compliance/c-protection-from-fire)

NZBC Clause B2  
[www.building.govt.nz/building-code-compliance/b-stability/b2-durability/](http://www.building.govt.nz/building-code-compliance/b-stability/b2-durability/)

Prime Panels Laminate MSDS  
[www.primepanels.co.nz](http://www.primepanels.co.nz)

Full warranty statement  
[www.primepanels.co.nz](http://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 July 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](http://www.primepanels.co.nz).

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