



10 Year
Warranty



Water
Resistant



Hygienic
Surface

NOVEMBER 2021

Prime Stone

Technical Data Sheet

Prime Stone is a decorative engineered stone product made up of at least 93% natural quartz and 7% resin.

The high density surface of Prime Stone provides a low maintenance, long lasting surface ideal for benchtops, vanities, laundries and commercial furniture.

1. Intended Use

Prime Stone is specifically manufactured for use as a benchtop or splashback material in kitchens, bathrooms, laundries and for commercial furniture where low maintenance, hygiene and durability in work surfaces are important factors.

2. Limitations

Prime Stone is not suitable for use in exterior applications such as outdoor tiles or cladding, or high load applications such as flooring.

When Prime Stone is to be used as a splashback careful consideration should be given in the planning and design stage. This includes ensuring that the extra thickness of the stone still allows for the minimum distances between the splashback and the electric cooktop or gas hobs as specified in AS/NZS 4386 and AS/NZS 5601, as well as any specific requirements specified by the appliance manufacturer.

3. Manufacture

Prime Stone is manufactured by reputable suppliers using the latest fabrication technologies and high quality materials.

4. Physical Properties

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

The following testing is intended to be indicative of the properties and is representative of most sizes colours and textures.

Test	Method	Unit	Stone Chip Size		
			Small	Medium	Large
Apparent Density	EN 14617-1	kg/m ³	2330 - 2370		
Water Absorption	EN 14617-1	%	0.01 - 0.03		
Flexural Strength	EN14617-2	MPa	44	42 - 49	33 - 56
Impact Resistance (20mm)	EN 14617-9	Joule	5	6	4 - 7
Impact Resistance (30mm)	EN 14617-9	Joule	12	11	9

Test (Chemical Resistance)	Method	Unit	Surface Finish		
			Polished	Honed	Leather
Chemical Resistance	EN 14617-10	Class	4		
Stain Resistance	EN 14617-10 Annex A	Visual	Maximum 1		
			Maximum 1		
			Maximum 2	Maximum 4	
			Maximum 1		
			Maximum 2	Maximum 3	
			Maximum 1		
			Maximum 3	Maximum 4	
			Maximum 3	Maximum 4	
			Maximum 1		
UV Colour Fastness	EN 438-2 Part 27	Grey Scale	Minimum 4.5		Minimum 3.5
Specular Gloss @ 60 degrees	AS/NZS 1580.602.2	Gloss Units	32-45	3-36	

Stain Resistance Rating System:

1. No stain remaining 2. Faint stain, only just visible 3. Slight stain visible 4. Moderate, obvious stain 5. Excessive stain

Tolerance	
Thickness	+ / - 1.5mm
Bowing (horizontal and fully supported)	<2mm (length and width)

5. Installation

Prime Stone benchtops must be installed on suitably constructed and level cabinetry which can support the full weight of the benchtop and Prime Stone splashback if installed. Vertical top rails should be incorporated into the carcass construction to strengthen and provide additional support around the sink and cooktop cut-outs and across large openings. Solid panels above under-bench ovens and dishwashers are recommended to prevent the build-up of heat on the underside of the benchtop.

The minimum distances behind and to the side of electric and gas cooktops and surrounding vertical surfaces are specified in AS/NZS 4386.2: Domestic Kitchen Assemblies – Installations and AS/NZS 5601.1:2013 Gas Installations – General Installations.

- A distance of 50mm from the back edge of an electric cooktop to a non-combustible surface
- A distance of 200mm from the periphery of the gas burner to a combustible surface at the BACK of a cooktop.
- A distance of 300mm from the periphery of any electric element or gas burner to a combustible surface at the SIDE of a cooktop.

Free standing tables must be constructed so that they are capable of fully supporting the weight of the Prime Stone top without sagging, with a maximum overhang of 100mm around all sides. A Plywood or MDF base can be used for added support and strength, set back a maximum of 100mm from the edges.

Recommended supports for overhanging tops:

Recommended overhang supports	
20mm thickness	30mm thickness
Up to 300mm overhang - No support required	Up to 400mm overhang - No support required
300 to 500mm overhang - Requires support brackets at maximum 600mm centres	400 to 600mm overhang - Requires support brackets at maximum 600mm centres
500mm and over - Must be fully supported by rails, legs or columns	600mm and over - Must be fully supported by rails, legs or columns

6. Compliance

New Zealand Building Code Clause B2 Durability: Prime Stone meets the durability requirements for interior linings of 5 years in accordance with B2 3.1 (c)

7. 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.

Some of the sustainable principles include:

- Supplying low formaldehyde board.
- Reducing our 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.

8. Care and Maintenance

To ensure your Prime Stone benchtop retains its beauty please follow these guidelines.

1. General Cleaning – Simply wipe the surface with a damp cloth and mild detergent. To degrease, use a non-abrasive cleaner such as Ajax Stone Safe Spray And Wipe or Glitz Stone Benchtop Cleaner then wipe with a clean damp cloth. It is good hygienic practice to wipe off spilt liquids and food immediately.
2. More stubborn marks and spills will require the use of a mild creme cleanser. If you have a Honed surface (matt) you can also use a sponge such as 3M Magic Sponge. When using a creme cleanser water it down and use with a non-abrasive all purpose cleaning pad. Important Note: Do not rub excessively in one area as this may change the appearance of the benchtop. Rub in a wide, circular motion. Buff dry with a clean, dry towel to avoid leaving a streaky appearance.
3. Food, chewing gum, nail polish or paints stuck to the surface can be scraped off with a sharp blade. Any residual metal marks can be easily removed by following Step 2 above.
4. Non pH neutral chemicals should never be used. Do not use or spill bleach, caustic soda, Drano, oven cleaners, paint strippers or petroleum-based products on your Prime Stone benchtop. Do not use citrus based cleaners as these may cause damage and leave a sticky residue on the surface.
5. Prime Stone surfaces can tolerate moderate heat but sudden temperature changes can permanently damage them. Always place a heat pad or trivet underneath pots and pans, cooking appliances such as kettles, electric frying pans, crock pots and cooktop ovens.
6. Chips and damage – Remember your benchtop is highly impact resistant, however not impact proof! Knocks to surface edges with steel pots, frying pans or even wine bottles could lead to chips in the surfaces. If this happens contact your Kitchen Manufacturer or Benchtop Fabricator for advice. The surface can often be repaired.

Please Note: The Prime Stone Honed finish offers a silky touch, non-reflective matt surface. Prime Stone Honed may require more regular cleaning and care than our polished finish, as outlined above.

9. Health and Safety

Prime Stone should be handled in accordance with the Material Safety Data sheet (MSDS) which is available online at www.primepanels.co.nz

Silica used in the manufacture of engineered stone is a known health hazard when inhaled as dust particles. Further information on the health effects of Respirable Crystalline Silica (RCS) dust is available online at www.worksafe.govt.nz/topic-and-industry/dust/accelerated-silicosis

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

New Zealand Panels Group is a founding member of the New Zealand Engineered Stone Advisory Group (NZESAG) which has developed a Good Practice Guide for the Control of Respirable Crystalline Silica in the Fabrication of Engineered Stone. For a copy of the guide and information on how to register for the NZESAG RCS Accreditation Programme contact RSCAccreditation@impac.co.nz or phone 0800 246 722.

10. Handling and Storage

Prime Stone slabs should be stored upright in certified purpose built racking and transported using certified booms, gantries and A Frames.

Transport on truck or trailer will require transport frames and strapping systems appropriate to the tonnage transported.

11. Warranty

New Zealand Panels Group offers a 10 year warranty for Prime Stone provided it is used for its intended purpose 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 Prime Stone warranty, please download from our website at www.primepanels.co.nz

12. Technical Support

Further information and technical support is available by contacting Prime Panels on 0800 477 463 or email technical@nzpanels.co.nz.

This publication was issued in November 2021. 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.

Prime Panels a division of New Zealand Panels Group, reserves the right to make changes to information in this publication without notice.

13. Handy Links and References

- Prime Stone warranty document www.primepanels.co.nz
- Prime Stone MSDS www.primepanels.co.nz

Contact us

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