

prime porcelain

technical data sheet

BPIR class 1



Prime Porcelain is an ultra-compact sintered stone that has been manufactured from a blend of clays, feldspar, and natural mineral oxides fused together under extremely high temperature and pressure.

Product Name: Prime Porcelain by Estrella.

Product line and identification: Prime Porcelain can be identified by the colour name and finish. Batch numbers are printed on the edge of the slab.

1. Intended Use

Prime Porcelain is ideal for use as a benchtop and splashback material in kitchens, bathrooms, laundries, and outdoor kitchens where a low maintenance, hygienic and durable work surface is required.

2. Limitations

When Prime Porcelain is to be used as a splashback careful consideration should be given in the planning and design stage to ensure that 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, are allowed for.

Under-bench mounted induction hobs and warmers can be used with Prime Porcelain. Please consult the appliance manufacturer for detailed installation requirements and suitability for use.

Declare.





3. Manufacture

Prime Porcelain is manufactured by Estrella and imported by New Zealand Panels Group.

Address: 15 Kerwyn Ave, East Tamaki, Auckland 2013

Phone: 0800 477 463

Email: technical@nzpanels.co.nz

Website: www.primepanels.co.nz

NZBN: 9429041375129 4

4. Physical Properties

The composition of Prime Porcelain varies slightly depending on the mineral blend of each design. The properties below are indicative of all variants, designs, and finishes.

Physical Property	Test Method	Rating
Density		2170kg/m ³
Water absorption	GB/T 3810.3-2016	0.08%
Breaking Strength (MOE)	GB/T 3810.4-2016	4717N
Impact resistance	GB/T 3810.5-2016	0.87
Abrasion resistance	GB/T 3810.7-2016	Class 4
Thermal shock	GB/T 3810.9-2016	Pass
Crazing resistance	GB/T 3810.11-2016	Pass
Frost resistance	GB/T 3810.12-2016	Pass
Static coefficient (dry)	GB/T 3810 Annex M	0.51-0.52
UV resistance		Pass

Dimensions & Surface Quality		
Length		± 2.0mm
Width		± 2.0mm
Thickness		± 0.5mm
Surface Quality	GB/T 3810.2-2016	100%

Stain Resistance	Test Method	Minimum	Rating
Iron oxide paste	GB/T 3810.14-2016	3	5
Chrome oxide paste	GB/T 3810.14-2016	3	5
Iodine 13g/lit	GB/T 3810.14-2016	3	5
Olive Oil	GB/T 3810.14-2016	3	5
Chemical resistance			
Ammonium chloride 100g/lit	GB/T 3810.13-2016	GB	GA
Sodium hypochlorite 20mg/lit	GB/T 3810.13-2019	GB	GA
Hydrochloric acid 18%	GB/T 3810.13-2016	GLB	GLA
Citric acid 100g/lit	GB/T 3810.13-2016	GLB	GLA
Lactic acid 5%	GB/T 3810.13-2016	GLB	GLA
Potassium hydroxide 100g/lit	GB/T 3810.13-2016	GLB	GLB
Frost resistance	GB/T 3810.12-2016	Pass	



5. Installation and Design Considerations

Prime Porcelain is supplied in slabs 3200mm x 1600mm, however the useable slab size is 3160mm x 1560mm after trimming the slab to release tension.

Prime Porcelain benchtops must be installed on suitably constructed and level cabinetry which can support the full weight of the benchtop.

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.

Spans above dishwashers, under-bench fridges and other voids greater than 600mm must have a full horizontal panel integrated into the cabinetry for strength and support.

Benchtops must be adhered to the cabinetry or supporting structure with a flexible silicon adhesive.

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.
- For guidance, Prime Porcelain is non-combustible.

When used as a top on free standing tables they must be constructed so that they are capable of fully supporting the weight of the Prime Porcelain top without sagging, with a maximum overhang of 100mm around all sides. The Prime Porcelain top should sit on a Plywood or MDF base panel for added support and strength, set back a maximum of 100mm from the edges.

Recommended support for overhanging tops:

Recommended overhang supports	
12mm thickness	20mm thickness
Up to 300mm overhang – No support required	Up to 400mm overhang – No support required
300mm and over - Must be fully supported by a base panel and brackets, rails, legs or columns.	400mm and over - Must be fully supported by a base panel and brackets, rails, legs or columns.

6. Compliance

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

New Zealand Building Code Clause G3 Food Preparation and Prevention of Contamination: Prime Porcelain meets the requirements for food preparation surfaces in accordance with G3.3.2

NZ Building Act Section 26: Prime Porcelain is not subject to a warning or ban under Section 26 of the Building Act.

7. Sustainability

New Zealand Panels Group is committed to sustainable manufacturing practices that minimise our environmental impact while delivering high-quality products to our customers. Our goal is to continuously improve our environmental and social performance and contribute to a more sustainable future.

A key platform of our company's values is the importance of the environment and protecting our future. We are dedicated to reducing our environmental footprint through:

- Responsible sourcing of raw materials, prioritizing certified and sustainable wood-based products.
- Reducing waste and promoting recycling throughout our production processes.
- Minimizing emissions and energy consumption through efficient manufacturing practices.
- Using low-emission adhesives and coatings to improve indoor air quality.
- Having independent environmental certifications that require external audits of our waste production and energy usage, along with our materials supply chain.



- Measuring and reducing our operational greenhouse gas emissions per unit produced.

Prime Porcelain has Declare accreditation, providing 8 RPV points that can help contribute towards Greenstar and Homestar projects.

Declare.

8. Cleaning and Care Guide

Prime Porcelain benchtops are hygienic, non-porous and easy to clean. To ensure your benchtop retains its original appearance, clean up spills and splashes from food preparation and cooking straight away and follow these simple steps:

1. General Cleaning – Simply wipe with warm soapy water (mild detergent/dishwashing liquid) and then wipe dry to remove all moisture.
2. Greasy marks – As above or use a general purpose spray-and-wipe type cleaner. Spray on and allow to activate for a few seconds then wipe off, rinse with a clean cloth and water then wipe dry to remove all moisture.
3. Light stains and stubborn marks – Use a cream cleanser mixed with water (3 parts water to 1 part cream cleanser) and gently rub using a cloth, sponge, or soft bristle brush. Rinse off with water and wipe dry. Caution: Do not rub excessively in one area, use a wide circular motion extending out past the original stain area.

Handy Tips

- Always rinse and wipe the surface dry after cleaning to remove moisture and prevent the build-up of residual cleaning product which can cause water marks and attract dirt and grime making future cleaning more difficult.
- If your benchtop is looking a little dull and dirty, a periodic clean with cream cleanser mixed with water will bring it back to life. Just follow Step 3 above. (Note: Cream cleanser is not recommended for regular use).

Important

- If for some reason you still have a faint stain after cleaning do not rub or scrub the surface excessively trying to remove it. Most food stains are not colourfast and will fade out over time with normal cleaning.
- Do not use bleach, caustic soda, drain cleaners, oven cleaners, paint strippers and petroleum-based chemicals and solvents on your Prime Porcelain benchtop.

- Do not use citrus-based solvents or cleaning products containing high levels of D-limonene as these can leave a film on the surface. This includes some eco-branded cleaning products.
- While Prime Porcelain can withstand very high temperatures it's good practice to use a protective heat pad or trivet under hot oven dishes, pots, and pans.
- Prime Porcelain has very high impact resistance, however, take care with the edges and avoid hard knocks from heavy objects including pots and pans.

9. Health and Safety

In slab form and as a finished product Prime Porcelain does not present a health risk. Respirable Crystalline Silica (RCS) dust is a known health risk when working with engineered and natural stones. Refer to the Prime Porcelain Safety Data Sheet for more detailed information on the safe handling and fabrication of Prime Porcelain

10. Handling and Storage

Please take extra care when handling Prime Porcelain, especially during fabrication and installation. Prime Porcelain slabs should be stored fully supported in an upright position in purpose-built racking and moved using specialised booms, gantries and hoists. Transport requires the use of A frames and strapping systems appropriate for the tonnage being transported.

Caution: Weights vary between 26kg/m² for 12mm thick slabs and 43kg/m² for 20mm thick slabs.

	12mm thick	20mm thick
Weight per square meter	26kg	43kg
Weight per 3600 x 1600 slab	150kg	250kg

11. Warranty

New Zealand Panels Group offers a 25-year warranty for Prime Porcelain 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 Porcelain 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 March 2026. 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

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

- Prime Porcelain SDS
- Prime Porcelain Fabrication Manual
- Prime Porcelain Warranty
- Resources can be found on the Prime Panels Technical resources page www.primepanels.co.nz/technical-resources/

13. Handy Links and References

Contact us

Prime Panels
15 Kerwyn Ave, East Tamaki, Auckland 2013.

Email technical@nzpanels.co.nz

Phone 0800 477 463

primepanels.co.nz

Disclaimer: The information contained in this SDS is based on information and data believed to be accurate and sourced from supplier certification and product specific tests. No warranty or representation is expressed or implied for which New Zealand Panels Group assumes a legal responsibility.