

Technical Information



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Eco Benchtops strives to exceed all the daily use cases that our benchtops would be subjected to and has undergone independent testing with NATA certified Australian laboratories to determine its in situ suitability. A more detailed explanation and interpretation of each test method and the corresponding test reports are available on request.

Eco Benchtops Physical Properties

Description	Engineered benchtop made from Australian recycled glass
Nominal Slab Size	3000 x 1500 x 20mm thick
Slab Weight	185 kg (41 kg/m ²)

- Products with patterns are random and do not repeat.
- The standard finish is a honed finish which provides the most consistent surface appearance over the life of the product and under glancing light conditions. A semi polished finish can be provided if required. Polished slabs tend to show every imperfection and will highlight wear marks over time particularly in areas subject to glancing light.
Note: Either finish has the same level of stain resistance because the special sealers used are applied after the surface finish is created.
- Solid colour products may have some surface variation from batch to batch and colours will vary slightly with different lighting conditions. Every effort is made to work with the stonemason to ensure all slabs for each project are consistent to the reference slabs at the factory.
- Slab edges need to be trimmed. A safe useable area assumption is 2960mm x 1470mm for solid colours and 2930mm x 1420mm for patterns

Eco Benchtops Product Performance Test Results

Test	Test Method	Result(s)
Water Absorption	EN14617-1:2013	0.62 %
Apparent Density	EN14617-1:2013	2005 kg/m ³
Flexural Strength	EN14617-2:2016	20.1 MPa
Impact Resistance	EN14617-9:2005	6.3 J
Chemical Resistance	EN14617-12:2012	Rating: C4
Linear Thermal Expansion Coefficient	EN14617-11:2005	21.8X10E-6 mm/mm/°C
Dimensional Stability	EN14617-12:2012	Vertical Displacement 0.02mm, Class A
Stain Resistance	EN14617-10	Excellent over 24 hr period for key staining agents
Abrasion Resistance	AWTA Scrub Abrasion test	Very Good - only slight scuffing after 3000 scourer cycles
Scratch Resistance	AWTA Scratch Resistance test	Very Good - Scratch occurred after 1.5kg load applied to 1mm point
UV Resistance	ISO 105-B02-1994 MOD	Very High - Rating 6-7 out of 7

Eco Benchtops Product Performance Test Results – Continued

Test	Test Method	Result(s)
Heat Resistance	AWTA Heat damage test	Slight discolouration (no physical damage) when pot of oil (at 200 °C) placed on the benchtop for 5 mins
Early Fire Hazard Properties	AS 1530.3-1999	Ignitability Index (0-20): 10
		Spread of Flame Index (0-10): 3
		Heat Evolved Index (0-10): 4
		Smoke Developed Index (0-10): 7
Respirable Crystalline Silica content	% by weight	0.4 %