ProQuartz

TECHNICAL CHARACTERISTICS

ProQuartz PREMIER QUARTZ SURFACES

SIGMAquartz Collection

ABOUT OUR QUARTZ

ProQuartz and SIGMAquartz surfaces are premium engineered quartz slabs manufactured using advanced vibro-compression vacuum technology. Composed of approximately 93% natural quartz crystals combined with high-performance polyester resins, pigments, and bonding agents, these surfaces are designed to deliver exceptional durability, hygiene, dimensional stability, and aesthetic consistency for residential and commercial applications.

The engineered composition creates a dense, non-porous surface with the appearance of natural stone while offering enhanced resistance to staining, moisture absorption, abrasion, and daily wear. ProQuartz and SIGMAquartz are suitable for kitchen countertops, bathroom vanities, splashbacks, reception counters, feature applications, furniture surfaces, and various interior architectural uses.

KEY CHARACTERISTICS

- High hardness and durability
- Non-porous surface structure
- Hygienic and easy to maintain
- Consistent colour and patterning
- Resistant to everyday staining
- Suitable for high-use interior environments

MATERIAL COMPOSITION

Component	Approximate Content
Natural Quartz	~93%
Polyester Resins	~5–7%
Pigments & Additives	Variable

Hygienic · Durable · Easy to Clean · Low Maintenance · Non-porous · No Sealing · Affordable · Stain Resistant

CHARACTERISTICS	TEST METHODS*	TEST RESULTS*
Apparent density	EN14617-1:2005	23502kg/m³
Water absorption		0.03% Classification: W4
Flexural strength	EN14617-2:2008	40.2MPa Classification: F4
Slip resistance	EN14231:2003	SRV “dry”:47 SRV “wet”:12
Abrasion resistance	EN146174:2005	23.4mm Classification:A4
Freeze and thaw resistance	EN14617-5:2005	Flexural strength loss: -3.5%
Thermal shock resistance	EN14617-6:2005	Mass loss:0.03% Flexural strength loss: -3.7%
Impact resistance	EN14617-9:2005	9.06J (Thickness:30.1mm)
Chemical resistance	EN14617-10:2005	Classification: C4
Linear thermal expansion coefficient	EN14617-11:2005	16.28 10 6 /°C
Dimensional stability	EN14617-12:2005	Classification: A

*The above test was conducted in SGS Lab 2010

Technical testing was conducted in accordance with European Standard EN14617 methods and related international testing standards. Testing referenced within the supplied technical documentation was conducted by SGS Laboratory.