



TECHNICAL CHARACTERISTICS

SIGMAquartz Surfaces are the result of over 30 years of research and development. An engineered stone product, SIGMAquartz surfaces are comprised of approximately 93% natural Quartz, together with pigments, polyester resins and other adhesives. These materials are subject to a high-tech system of vibro-compaction under vacuum. This exclusive process results in a non-porous agglomerated stone that has the look and feel of natural stones such as limestone, granite or marble.

Technical Characteristics

CHARACTERISTICS	TEST METHODS*	TEST RESULTS*
Apparent density		23502kg/m ³
Water absorption	EN14617-1:2005	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	EN14617-4:2005	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