

Technical Data for FASA QUARTZ STONE

SURFACE FINISH: S-TECH/POLISH

SLAB SIZE: 3200*1600/3000*1400mm

SLAB THICKNESS: 12/15/20/30mm

TEST ITEM	TEST(S) REQUESTED(METHOD)	RESULT(S)	COMMENTS
Water absorption and apparent density	EN 14617-1-2013	2.34 g/cm ³ 0.01%	/
Chemical resistance	EN 14617-10-2012	Rating: C ₄	/
Flexural Strength	EN 14617-2:2016	42.2MPa	Classification: F ₄
Abrasion Resistance	EN 14617-4:2012	23.0mm	Classification: A ₄
Frost and Thaw Resistance	EN 14617-5:2012	Flexural strength after freeze and thaw resistance: 44.1MPa The change in flexural strength: 104.5%	/
Dimensional stability	EN 14617-12:2012	Vertical displacement: 0.06mm	Class: A
Dimensions, Geometric Characteristics and Surface Quality of Modular Tiles	EN 14617-16:2005	See test item 5	Pass
Thermal Shock Resistance	EN 14617-6:2012	Mass loss:0.03% Appearance: No visible defects Flexural strength after thermal shock:44.2MPa Flexural strength loss: - 4.7%	/
Slip Resistance	EN 14231:2003	SRV "dry": 62 SRV "wet": 17	/
Breaking load at dowel hole	EN 14617-8:2007	5660 N	/
Linear thermal expansion coefficient	EN 14617-11:2005	23.5×10 ⁻⁶ /°C	/
Surface Resistivity	EN 14617-13:2015	1.56×10 ¹² Ω/sq	/
Volume Resistivity	EN 14617-13:2015	3.42×10 ¹³ Ω·cm	/
Thermal conductivity	EN 15285:2008 Section 4.2.10 & EN 12664:2001 Heat flow meter method	0.746W/(m·K)	/
Release of danger substances(REACH)	SGS In-House method- GZTC CHEM-TOP-092-01, GZTC CHEM-TOP-092-02, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.	Refer to next page(s)	Pass
Reaction to fire	EN 13501-2003	Classification: E	/
Impact Resistance	EN 14617-9:2005	11.22J	/