



IDR Stone Solutions

A Division of FF&E Imports, Inc.

Technical Specifications Handcraft Quartz

Water Absorption (% by weight)	EN 14617-1:2005	0.01% Classification: W ₄
Apparent Density		2340kg/m ³
Flexural Strength in natural condition	EN 14617-2:2008	44.2 MPa Classification: F ₄
Thermal Shock Resistance	EN 14617-6:2012	Mass loss: 0.04% Flexural strength after thermal shock: 106MPa Flexural strength loss: 76.0%
Impact Resistance	EN 14617-9:2005	2.40J
Chemical Resistance	EN 14617-10:2012	Classification: C ₄
Dimensions, Geometric Characteristics and Surface Quality	EN 14617-16:2005 Agglomerated stone - Test methods - Part 4	21.6mm
Abrasion Resistance	EN 14617-4:2012 Agglomerated stone - Test method	21.6mm
Dimensional Stability	EN 14617 - 12:2012	Class: A Vertical displacement: 0.01mm
Slip Resistance	EN 14231:2003	Dry: 47 Wet: 7
Linear Thermal Expansion Coefficient	EN 14617-11:2005 Agglomerated stone - Test method	31.7 x 10 ⁻⁶ /°C

Component	CAS#	% Composition
Quartz (Crystalline Silica)	14808-60-7	>87%
Unsaturated Polyester Resin	N/A	10-13%