

# Technical Specifications

PROPERTY	TEST STANDARD	RESULTS	
Apparent Density	EN-14617-1 2013	2.34 g/cm <sup>3</sup>	
Water Absorption	EN-14617-1 2013	0.01%	
MOH'S Hardness	EN 101	7	
Flexural Strength	EN 14617-2 2016	42.2 MPa	
Slip Resistance (Polished)	EN 14231 2003	SVR "Dry": 62 SVR :Wet": 17	
Abrasion Resistance	EN 14617-4 2012	23.0 mm	
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%	
Impact Resistance	EN 14617-9 2005	11.22 (J)	
Linear Thermal Expansion Coefficient	EN 14617-11 2006	23.5 x 10 <sup>-6</sup> /°C	
Dimensional Stability	EN 14617-12 2012	Class A	
Frost and Thaw Resistance	EN 14167-5 2012	Flexural Strength After Freeze and Thaw Resistance: 44.1 MPa	
Breaking Load at Dowel Hole	EN 14617-8 2007	5660 N	
Surface Resistivity	EN 14617-13 2015	1.56 x 10 <sup>12</sup> Ω/sq	
Volume Resistivity	EN 14617-13 2015	3.42 x 10 <sup>13</sup> Ω·cm	
Thermal Conductivity	EN 15285 2008 Section 4.2.10 & EN 12664 2001 Heat Flow Meter Method	0.746 W/(m·K)	
Chemical Resistance	EN 14617-10 2012	Rating: C <sub>4</sub>	
Resistance to Chemicals and Staining Agents	EN 14688, Clause 5.5	Staining Agent	Cleaning Test
		CH <sub>3</sub> COOH (10% V/V)	Removal
		NaOH (5% m/m)	Removal
		C <sub>2</sub> H <sub>5</sub> OH (70% V/V)	Removal
		NaOCl (5%)	Removal
		Methylene Blue (1% m/m)	Removal
NaCl (170 G/L)	Removal		
Release of Dangerous 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.	Pass	

