



**IDR Stone Solutions**  
A Division of FF&E Imports, Inc.

## Technical Specifications

Water Absorption (% by weight)	ASTM C97/C97M-09:2009	≤ 0.05%
	EN 14617-1:2013	≤ 0.06%
Apparent Density	ASTM C97/C97M-09:2009	2.2-2.4 g/cm <sup>3</sup>
	EN 14617-1:2013	
Flexural Strength	ASTM C880/C880M-09:2009	> 40 MPa
	EN 14617-2:2008	
Dimension Stability	EN 14617-12:2012	Class A
Electrical Stability	EN 14617-13:2013	E. resistance (R <sub>v</sub> ) = 0.9 x 10 <sup>14</sup> Ω
		E. resistivity (ρ <sub>v</sub> ) = 4.9 x 10 <sup>14</sup> Ωm
Impact Resistance	ASTM D1709:2015	≥ 3.0J
	EN 14617-9:2005	
Compressive Strength	ASTM C170/C170M-09:2009	≥ 155 MPa
	EN 14617-15:2005	
Mohs Scale of Hardness	EN101	6.0 - 7.0
Resistance to Deep Abrasion	ASTM C1243:2009	Volume of chord: V ≤ 195 mm <sup>3</sup>
	EN 14617-4:2012	
Freeze-Thaw Resistance	ASTM C1026:2013	No defects after 25 freeze-thaw cycles
	EN 14617-5:2012	
Thermal shock resistance	EN 14617-6:2012	No visible defects after 20 cycles
Determination of resistance to immersion in boiling water	AS 2924.2-7: 1998	Effect on surface (rating): 5 (no visible change)
	(EQUI. TO ISO 4586.2-7: 1997)	
	NEMA LD3-3.5	
Determination of resistance to dry heat (High temperature resistance)	AS 2924.2-8: 1998	Effect on surface (rating): 5 (no visible change)
	(EQUI. TO ISO 4586.2-8: 1997)	
	NEMA LD3-3.6	
Determination of resistance to staining (Procedure A)	AS 2924.2-15: 1998	Effect on surface (rating): 5 (no visible change)
	(EQUI. TO ISO 4586.2-15: 1997)	
Microbial Resistance	ASTM D 6329:2015	Ranking 3: Resistant to Mold Growth
Chemical Resistance to Acids	EN 14617-10:2012	Class C4
Slip Resistance at Honed 400	DIN 51130:2004	R9 - R10
Colorfastness	NEMA LD 3-3.3	Passes
Weatherability	ASTM G155	Passes
	ΔE <sub>ab</sub> * color change; AST-M G155, cycle 1; 200 HR exposure (Irradiance: 0.35 W/m <sup>2</sup> .nm at 340nm). Max ΔE <sub>ab</sub> * color change of 2	
Water Blush	ΔE <sub>ab</sub> * color change after immersion in 72°C water for 16 Hrs. Max ΔE <sub>ab</sub> * color change of 2	Passes
Cigarette Test	ANSIZ 124.6	Pass
Residual monomer	ISO 4901	< 500ppm (styrene)