



# TECHNICAL SPECIFICATION

PROPERTY	STANDARD VALUE	MEAN LAMAR VALUES
Water Absorption	0.50%	0.06%
Modulus of Rupture	min. 35 N/mm <sup>2</sup>	43.11 N/mm <sup>2</sup>
Breaking Strength	min. 1300 N	6270 N
Thermal Shock Resistance	min. 10 cycle	min. 10 cycle
Thermal Expansion (COE)	max. 7.0 x 10 <sup>-6</sup>	4.84 x 10 <sup>-6</sup>
Surface Abrasion Resistance (Glossy)	min. Class II	min. Class II*
Surface Abrasion Resistance (Matt)	min. Class II	min. Class III*
Bulk Density	min. 2.2 g/cc	2.27 g/cc
Moisture Expansion	max. 0.02 mm/m	No Expansion
Impact Resistance-Coefficient of Restitution (COR)	min. 0.55	min. 0.57
Small Colour Difference	No Difference	No Difference
Resistance to Stain	min. Class III*	Class V*
Lead and Cadmium Release	As per Mfg.	No release
Deviation in Length and Width	± 0.10%	± 0.10%
Deviation in Thickness	± 5.00%	± 4.00%
Straightness in Side	± 0.10%	± 0.10%
Rectangularity	± 0.10%	± 0.10%
Surface Flatness	± 0.50%	± 0.50%
Surface Quality	> 95% Defect Free	> 95% Defect Free

\*Higher the class, the better