

TECHNICAL SPECIFICATIONS OF FLOOR TILES *

QUALITY PARAMETERS	EN177 GROUP B II a 1991 and IS: 15622/2006 ISO 13006	REGENCY STANDARD
Length and Width		
01. Un Rectified	±0.4%	±0.5%
02. Rectified	±0.1%	±0.1%
Thickness	±5.0%	±5.0%
Straightness of Sides		
01. Un Rectified	±0.3%	±0.3%
02. Rectified	±0.1%	±0.1%
Surface Flatness	±0.5%	±0.5%
Squareness		
01. Un Rectified	±0.3%	±0.3%
02. Rectified	±0.1%	±0.1%
Surface Quality	Min. 95% free from any visible defects	Min 95% free from any visible defects
Crazing Resistance	Min 4 Cycles at 7.5 Bar.,	Min 4 Cycles at 7.5 Bar.,
Modulus of Rupture	Average 300kg/cm ² Individual Min. 280kg/cm ²	Average 300kg/cm ² Individual Min. 280kg/cm ²
Water Absorption	3-6% Individual Max.6.2%	3-6% Individual Max.6.2%
Thermal Shock Resistance	10 Cycles, Min,	10 Cycles, Min,
Chemical Resistance		
01. Resistance to Staining	Min. Class 1,	Min. Class 1,
02. Resistance to Houses hold Chemicals	Min. Class AA,	Min. Class AA,
03. Resistance to Acid & Alkalies.	Required if agreed.	Required if agreed.
Hardness On Moh's Scale		
01. Commercial	Min.7	Min.7
02. Home	Min.5	Min.5
Co-Efficient of Linear Thermal Expansion, Ambient temperature to 100 ^o c(k ¹)	Max. 9 x 10 ⁻⁶	Max. 9 x 10 ⁻⁶
Abrasion Resistance	01. Commercial Appl. Min Class IV 02. Home Appl. Min. class II	01. Commercial Appl. Min Class IV 02. Home Appl. Min. class II
Breaking Strenght	Thickness <7.5mm 500 kg/cm ² >7.5mm 1000 kg/cm ²	Thickness <7.5mm 500 kg/cm ² >7.5mm 1000 kg/cm ²

* Applicable to First Quality Tiles only