

BIEN SERAMIK floor tiles conform to TS-EN 14411 EK-H Turkish and European standards.

Technical Specification	Bien Seramik	TS-EN 14411 EK-H	TEST
Lenght and Width	S > 410 ± 0,50 %	S > 410 ± 0,60 %	TS EN ISO 10545-2
Thickness	S > 190 ± 5 %	S > 190 ± 5 %	TS EN ISO 10545-2
Straightness of sides	S > 90 ± 0,3 %	S > 90 ± 0,5 %	TS EN ISO 10545-2
Rectangularity	S > 90 ± 0,5 %	S > 90 ± 0,6 %	TS EN ISO 10545-2
Center Curvature	S > 90 ± 0,3 %	S > 90 ± 0,5 %	TS EN ISO 10545-2
Edge Curvature	S > 90 ± 0,3 %	S > 90 ± 0,5 %	TS EN ISO 10545-2
Warpage	S > 90 ± 0,3 %	S > 90 ± 0,5 %	TS EN ISO 10545-2
Surface quality	5 % defective	5 % defective	TS EN ISO 10545-2
Water Absorption	Max.3%	Max.3%	TS EN ISO 10545-3
Modulus of Rupture	Min 27N/mm ²	Min 27N/mm ²	TS EN ISO 10545-4
Scratch Hardness	Min 5 Mohs	Min 5 Mohs	EN 101
Coefficient of Lineer Thermal Expansion	Max.9x10 ⁻⁶ 20-100°C	Max.9x10 ⁻⁶ 20-100°C	TS EN ISO 10545-8
Thermal Shock Resistance	Resistant	Resistant	TS EN ISO 10545-9
Crazing Resistance	Resistant	Resistant	TS EN ISO 10545-11
Frost Resistance	Resistant	Necessary	TS EN ISO 10545-12
Resistance to Staining	Min. Class 3	Min. Class 3	TS EN ISO 10545-14
Resistance of Acids and Alkalis	Class GLB-GHB	Specification from producer	TS EN ISO 10545-14
Resistance to Household Chemicals	Min. Class GB	Min. Class GB	TS EN ISO 10545-14
PEI	10x10 pei III 20x20 pei IV	Specification from producer	TS EN ISO 10545-7

TS-EN 10545-7 (PEI NUMBERS)

- I Suitable for walls, bathroom and bedroom floors
- II Suitable for light traffic environments like the floors of a house
- III Suitable for heavy traffic area like entrances
- IV Suitable for heavy traffic environments like restaurants, shopping stores
- V Suitable for heavy traffic indoor and outdoor environments