


Çanakkale Seramik Wall Tiles conform to the Turkish and European standards indicated below.

TS EN	TECHNICAL CHARACTERISTICS		TURKISH and EUROPEAN STANDARD TS-EN 14411 Annex L BIII GL	7,5*15 M 1601M METRO WIT				
ISO 10545-2	Deviations from Dimensions	Length and Width (cm)	$l \leq 12 \text{ cm. } \pm 0,75 \%$				Kaleseramik Çanakkale Kalebodur Seramik Sanayi A.Ş. 17430 Çan - Çanakkale / Türkiye 05 TS-EN 14411 Ceramic tiles, dry-pressed, for internal and external wall/ceiling finishes	
			$l > 12 \text{ cm. } \pm 0.5 \%$	$\pm \% 0.5$				
		Thickness (%)	$\pm 10 \%$	$\pm \% 10$				
	Rectangularity (%)		Max. $\pm \% 0.5$	$\pm \% 0.24$				
	Straightness of Sides (%)		Max. $\pm \% 0.3$	$\pm \% 0.30$				
	Surface Flatness (%)		Centre Curvature : $+\% 0.5, -\% 0.3$	$+\% 0.35 -\% 0.21$				
			Edge Curvature : $+\% 0.5, -\% 0.3$	$+\% 0.35 -\% 0.21$				
Surface Quality (%)		Warpage : $\pm \% 0.5$	$\pm \% 0.35$					
ISO 10545-3	Water Absorption (%)		Ave.10 %, When the value exceeds 20% this shall be indicated by the manufacturer.	Ave. % 18,6	Characteristics	Declared value		
			Individual min. 9 %		Reaction to fire	A1 without testing 96/603 EEC as amended		
ISO 10545-4	Breaking Strength (N)		thickness $\geq 7,5 \text{ mm}$ min. 600 N	-	Flexural tensile strength	$>23 \text{ N/mm}^2$		
			thickness $< 7,5 \text{ mm}$ min. 200 N	470 N	Thermal shock resistance	Passed		
	Modulus of Rupture (N/mm ²)		thickness $\geq 7,5 \text{ mm}$ min. 12 N/ mm ²	23 N/ mm ²	Freeze/thaw resistance (frost resistance)	Passed		
			thickness $< 7,5 \text{ mm}$ min. 15 N/ mm ²					
ISO 10545-8	Lineer Thermal Expansion Coefficient (100 °C)		Max. $9 \times 10^{-6} / ^\circ\text{C}$	$6 \times 10^{-6} / ^\circ\text{C}$	Release of dangerous substances	NPD		
ISO 10545-9	Resistance to Thermal Shock		Required	Affirmative				
ISO 10545-10	Moisture Expansion (mm/m)		0,06 % (0,6 mm/m)	%0,01976				
ISO 10545-11	Crazing Resistance for Glazed Tiles		Required	Affirmative				
ISO 10545-13	Resistance to High/Low Acids and Alkalis		Required	GLA-GLA-GLA-GHA-GHA-GHA				
	Resistance to Household Chemicals		Min. GB	GA				
	Resistance to Swimming Pool Chemicals		Required	GA				
ISO 10545-14	Resistance to Staining		Min. 3	CLASS-5			Release of Cadmium	NPD
							Release of lead	
							Bond strength	NPD