


EN	TECHNICAL CHARACTERISTICS	TURKISH AND EUROPEAN STANDARD TS-EN 14411 / ISO13006 ANNEX G GL GROUP BIa	NUXE Series	 Kaleseramik Çanakkale Kalebodur Seramik San. A.Ş. 17430 Çan/Çanakkale 5 003CPR-DoP2013 EN 14411 Dry-pressed glazed porcelain tiles, with water absorption $E \leq 0,5\%$, for internal and external wall and floorings
ISO 10545-2	Length and width	$N \geq 15$ cm ; The permissible deviation of the average size for each tile from the work size (W) $\pm 0,6$ & $\pm 2,00$ mm	$\pm 0,3$	
	Thickness	± 5 / $\pm 0,5$ mm	± 4	
	Rectangularity	$\pm 0,5$ / $\pm 2,0$ mm	$\pm 0,3$	
	Straightness of Sides	$\pm 0,5$ / $\pm 1,5$ mm	$\pm 0,2$	
	Surface Flatness	$\pm 0,5$ / $\pm 2,0$ mm	$\pm 0,3$	
ISO 10545-3	Water Absorption	$E_b \leq 0,5$ % Individual max. %0,6	$E_v \leq 0,5$ %	
ISO 10545-4	Breaking strength, in N	Thickness $\geq 7,5$ mm ; Not less than 1300 Thickness $< 7,5$ mm ; Not less than 700	> 1300 N -	
	Modulus of Rupture (N/mm ²)	Min.35 Individual min.32	> 35 N/mm ²	
ISO 10545-5	Impact resistance	Test method available	RESISTANT	
ISO 10545-7	Resistance to Surface Abrasion for Glazed Tile(PEI)	Report abrasion class and cycles passed	Class3 - Class4	
ISO 10545-8	Linear Thermal Expansion Coefficient	Test method available	6.0833E-06	Reaction to fire
ISO 10545-9	Resistance to Thermal Shock	Test method available	AFFIRMATIVE	A1/A1 _{FL}
ISO 10545-11	Crazing Resistance in Glazed Tiles	Required	RESISTANT	Release of dangerous substances, for:
ISO 10545-12	Frost Resistance	Required	RESISTANT	
ISO 10545-13	Resistance to chemicals	manufacturer to state classification	AFFIRMATIVE	Cadmium
	Resistance to low concentrations of acids and alkalis			NPD
	Glazed tiles			Lead
	Resistance to high concentrations of acids and alkalis			NPD
	Glazed tiles			Breaking strength
ISO 10545-14	Resistance to household chemicals and swimming pool salts	Test method available	AFFIRMATIVE	Thickness $\geq 7,5$ mm BS >1300 N
	Glazed tiles	Min.GB	GA-GA	Thickness $< 7,5$ mm BS >700 N
	Resistance to Staining	Min.Class 3 for Glazed Tile		Cementitious adhesive, type C2
Glazed tiles	$\geq 1,0$ N/mm ²			
<i>Stains leaving a trace (pastes): Green staining agent in light oil</i>	5			
<i>Stains having chemical / oxidizing action: Lodine, 13 g/l solution in alcohol</i>	5			
DIN 51130 DIN 51097	Ramp Slip resistance (Oil / Wet)	Where required	R- Class-	Slipperiness, as
				5
The numbers beside Kalebodur Ceramic Tiles indicate the abrasion resistance of the ceramic surface according to Turkish and European Standard TS-EN ISO 10545-7.				Durability for:
Class - 1 Suitable for walls and bedroom and bathroom floors.				internal use:
Class - 2 Suitable for light traffic environments like the floors of a house.				external use: freeze-thaw
Class - 3 Suitable for moderately heavy traffic area floors like the entrance and the corridor.				Tactility
Class - 4 Suitable for heavy traffic area floors like restaurant, shopping stores, etc.				Thermal Shock Resistance
Class - 5 Suitable for floors subject to heavy foot traffic and abrasion, such as shops, hotels, restaurants, offices, schools, exhibition halls, etc.				Pass