

EN	TECHNICAL CHARACTERISTICS	TURKISH and EUROPEAN STANDARD TS-EN 14411 ANNEX G GL GROUP BI <sub>1</sub>	30*60/60*60 SOFT SERIES
ISO 10545-2	Length and width	N ≥ 15 cm ; The permissible deviation of the average size for each tile from the work size (W) ± %0,6 & ± 2,00 mm ±%0,6 / ±2,0 mm	±0.4%
	Thickness	±%5 / ±0,5 mm	±4%
	Rectangularity	±%0,5 / ±2,0 mm	±0,4%
	Straightness of Sides	±%0,5 / ±1,5 mm	±0,3%
	Surface Flatness	±%0,5 / ±2,0 mm	±0,3%
ISO 10545-3	Water Absorption	E ≤ 0,5 % Individual max. %0,6	% 0,23
ISO 10545-4	Breaking strength,in N	Thickness ≥ 7,5 mm ; Not less than 1300	2105 N
		Thickness < 7,5 mm ; Not less than 700	-
	Modulus of Rupture (N/mm <sup>2</sup> )	Min.35 Individual min.32	52 N/mm <sup>2</sup>
ISO 10545-5	Impact resistance	Test method available	AFFIRMATIVE
ISO 10545-7	Resistance to Surface Abrasion for Glazed Tile	Report abrasion class and cycles passed	Class-3
ISO 10545-8	Linear Thermal Expansion Coefficient	Test method available	6.0821E-06
ISO 10545-9	Resistance to Thermal Shock	Test method available	AFFIRMATIVE
ISO 10545-11	Crazing Resistance in Glazed Tiles	Required	RESISTANT
ISO 10545-12	Frost Resistance	Required	RESISTANT
ISO 10545-13	<b>Resistance to chemicals</b>	manufacturer to state classification	GLA-GLA
	<b>Resistance to low concentrations of acids and alkalis</b>		
	Glazed tiles		
	<b>Resistance to high concentrations of acids and alkalis</b>		
ISO 10545-13	Glazed tiles	Test method available	GHA-GHA
	<b>Resistance to household chemicals and swimming pool salts</b>	Min.GB	GA-GA
	Glazed tiles		
ISO 10545-14	<b>Resistance to Staining</b>	Min.Class 3 for Glazed Tile	5
	<b>Glazed tiles</b>		
	<i>Stains leaving a trace (pastes): Green staining agent in light oil</i>		
	<i>Stains having chemical / oxidizing action: Lodine, 13 g/l solution in alcohol</i>		
	<i>Stains forming a film: Olive oil</i>		5
DIN 51130 DIN 51097	Ramp Slip resistance (Oil / Wet)	Where required	R- Class-

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.

**Class - 1** Suitable for walls and bedroom and bathroom floors.

**Class - 2** Suitable for light traffic environments like the floors of a house.

**Class - 3** Suitable for moderately heavy traffic area floors like the entrance and the corridor.

**Class - 4** Suitable for heavy traffic area floors like restaurant, shopping stores, etc.

**Class - 5** Suitable for floors subject to heavy foot traffic and abrasion, such as shops, hotels, restaurants, offices, schools, exhibition halls, etc.



Kaleseramik Çanak Kalebodur Seramik San. A.Ş.

17430 Çan/Çanakale

5

003CPR-DoP2013

EN 14411:2012

Dry-pressed ceramic glazed porcelain tiles, with water absorption  $E_b \leq 0,5\%$ , for internal and external wall and floorings

Reaction to fire

A1/A1<sub>FL</sub>

Release of dangerous substances, for:

- Cadmium

NPD

- Lead

NPD

Breaking strength

> 1300 N

Bond strength/adhesion, for:

Cementitious adhesive, type C1

>1,0 N/mm<sup>2</sup>

Dispersion adhesives, type D2

>2,0 N/mm<sup>2</sup>

Reaction resin adhesives, type R2

>1,0 N/mm<sup>2</sup>

Slipperiness, as:

DIN 51130

Declared at DoP

Durability for:

- internal use:

Pass

- external use: freeze-thaw  
resistance

Pass