

ORBE 600x600x20mm - CARACTÉRISTIQUES TECHNIQUES

TECHNICAL CHARACTERISTICS				Average Values of Production	Standard Values	Result	
Test Method	Characteristics	(Requirements according to nominal size N)					
		7 ≤ N < 15 cm	(mm)	N ≥ 15 cm			
				% — (mm)	% — (mm)		
EN ISO 10545-2	A.) SIZE AND SURFACE QUALITY	Length and width		597,00-597,00 mm		± 0,6 % (± 2mm)	
				0,11%			
		Deviation of the average size of each tile (2 or 4 sides) from the working dimension (W).		0,12%			
		The average size of each tile (2 or 4 sides) deviates from the average of the dimensions of the test sample 10		20,0 mm --- %0,18	± 5 % (± 0,5mm)		
		Thickness		0,19%	± 0,5 % (± 1,5mm)		
		Straightness of sides b (surface edges)		0,16%	± 0,50 % (± 2mm)		
		Rectangularity		0,10%	± 0,50 % (± 2mm)		
		the central curvature associated with the diagonal calculated from the working size)		0,21%	± 0,50% (± 2mm)		
		Edge curvature corresponding to the dimension of work)		0,10%	± 0,50% (± 2mm)		
		diagonal calculated from the work size-related distortions)		96%	(At least 95% of the original surface of the tiles should not have any visible		
		EN ISO 10545-3	B.) PHYSICAL PROPERTIES	Water Absorption		0,39%	Es 0,5% max. 0,6 %
EN ISO 10545-4	Breaking strength(Newton)			10480 N	Thickness ≥7,5mm min. 1300 N Thickness <7,5mm min. 700 N		
EN ISO 10545-6 EN ISO 10545-7	Modulus of rupture(N/mm2)			38,6 N/mm2	min. 35 N/mm2		
EN ISO 10545-8	Abrasion Resistance (mm3)			Class 3- 1500 transfer	wear class and speed should be reported.		
EN ISO 10545-9	Determination of linear thermal expansion			0,34	Declared Value		
EN ISO 10545-11 h	Thermal shock resistance			Dayanıklıdır.	EN ISO 10545-1 g ye göre		
EN ISO 10545-12	Determination of crazing resistance			Dayanıklıdır.	EN ISO 10545-1 g ye göre		
EN ISO 10545-12	Frost resistance			Dayanıklıdır.	EN ISO 10545-1 g ye göre		
CEN/TS 161651	Slip Test			R 11	Declared Value		
	(bond strength / adhesion)						
EN 12004:2007+A1: 2012 4.1 L	Cement Based adhesives			-	Declared Value		
EN 12004:2007+A1: 2012 4.2 L	Dispersion Based Adhesives			-	Declared Value		
EN 12004:2007+A1: 2012 4.3 L	Reaction Resin Adhesives			-	Declared Value		
EN 1015-12L	Harç Mortar			-	Declared Value		
EN ISO 10545 - 10	Moisture expansion, in mm/m'e			0,01 mm	Declared Value		
EN ISO 10545 - 16	(Small Color Differences) (Glazed Tiles)			0,35	Δ Ecmc < 0,75 Δ Ecmc < 1,0		
EN ISO 10545 - 5	(Unglazed Tiles)			0,8	Declared Value		
-	Impact resistance by measurement of coefficient of restitution			It is resistant.	(Class A1 ya da A1 Fl)		
CEN/TS 15209	Reaction to Fire			Class A1			
	(Surface roughness)			HARD SURFACE	Declared Value		
EN ISO 10545-14	C.) CHEMICAL PROPERTIES	Resistance to stains		Class : 5	Min 3.clas		
EN ISO 10545-13				Class: GLA	Declared Value		
		Resistance to low concentrations of acids and alkalis					
		Resistance to high concentrations of acids and alkalis		Class: GHA	Declared Value		
				Class: A	Min .clas B		
EN ISO 10545-15		Resistance to household chemicals and swimming pool salts					
		Disclosure of Hazardous Substances)		0,001 mg/dm2	Declared Value max.0,2		
		cadmium (mg/dm2) Lead (mg/dm2)		0,002 mg/ dm2	Declared Value max.0,02		
		Other Hazardous Substances)			Declared Value		

All of the test results are suitable and confirm with EN 14411