

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				± 0,5 % (± 1,5mm)
		Straightness of sides b (surface edges)		0,19%		± 0,50 % (± 2mm)
		Rectangularity		0,16%		± 0,50 % (± 2mm)
		the central curvature associated with the diagonal calculated from the working size)		0,10%		± 0,50% (± 2mm)
		Edge curvature corresponding to the dimension of work)		0,21%		± 0,50% (± 2mm)
		diagonal calculated from the work size-related distortions)		0,10%		± 0,50% (± 2mm)
		Surface quality		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	
		Resistance to household chemicals and swimming pool salts		Class: A	Min .clas B	
EN ISO 10545-15		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