

TRAMELAN 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		
		Deviation of the average size of each tile (2 or 4 sides) from the working dimension (W).	0,11%	± 0,6%	(± 2mm)
		The average size of each tile (2 or 4 sides) deviates from the average of the dimensions of the test sample 10	0,12%		
		Thickness	20,0 mm --- %0,18	± 5%	(± 0,5mm)
		Straightness of sides b (surface edges)	0,11%	± 0,5%	(± 1,5mm)
		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)	0,23%	± 0,50%	(± 2mm)
		diagonal calculated from the work size-related distortions)	0,10%	± 0,50%	(± 2mm)
		Surface quality	97%	(At least 95% of the original surface of the tiles should not have any visible	
		EN ISO 10545-3	B.) PHYSICAL PROPERTIES	Water Absorption	0,36%
EN ISO 10545-4	Breaking strength(Newton)	10285 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)	37,1 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	Termal shock resistance	It is resistant.		EN ISO 10545-1 g ye göre	
EN ISO 10545-12	Determination of crazing resistance	It is resistant.		EN ISO 10545-1 g ye göre	
CEN/TS 16165	Frost resistance	It is resistant		EN ISO 10545-1 g ye göre	
	Slip Test (bond strength / adhesion)	R 11		Declared Value	
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	
EN ISO 10545- 5	Unglazed Tiles)			Δ Ecmc < 1,0	
-	Impact resistance by measurement of coefficient of restitution	0,8		Declared Value	
CEN/TS 15209	Reaction to Fire (Surface roughness)	It is resistant. Class A1		(Class A1 ya da A1 Fl)	
EN ISO 10545-14	Resistance to stains	Class : 5	Min 3.clas		
EN ISO 10545-13	Resistance to Chemical Substances	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		
	(Disclosure of Hazardous Substances)				
EN ISO 10545-15	a.) cadmium (mg/dm2)	0,001 mg/ dm2	Declared Value max.0,2		
	b.) 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