BMI

Technical data sheet

Test report — glazed porcelain tile

600×600 · 20 mm

MATT

Product	**Glazed porcelain tile**	Nominal dimensions	**600 × 600 mm**	Application	**Floor**
Work size	**600 × 600 mm**	Place of use	**Outdoor**	Thickness	**20 mm**
Glaze finish	**Matt**	Group	**BIa (Annex G)**	Standard	**ISO 13006:2012 · IQS 1704/6**
Test date	**1 May 2025**				

NO.	CHARACTERISTIC	MIN.	MAX.	AVG.	RESULT	LIMIT	ISO 13006	IQS 1704/6
1	**DIMENSIONS AND SURFACE QUALITY**							
1-1	Length (mm)	599.9	600.2	600.1	**± 0.05%**	± 0.5%	ISO 10545-2	256/1
	Width (mm)	599.9	600.2	600.1	**± 0.01%**	± 0.5%		
	Deviation of the average size of each tile				**± 0.05%**	± 0.5%		
1-2	Thickness (mm)	19.8	20.4	20.2	**± 2%**	± 5%		
1-3	Straightness of sides				**< ± 0.1%**	± 0.5%		
1-4	Rectangularity				**< ± 0.1%**	± 0.5%		
1-5	Surface flatness (%) — Centre curvature				**± 0.18%**	± 0.5%		
	Edge curvature				**± 0.13%**			
	Warpage				**0.2%**			
1-6	Surface quality				**95%**	At least 95 % of tiles free from visible defects	ISO 10545-2	256/1
2	**PHYSICAL PROPERTIES**							
2-1	Water absorption (%)				**0.4%**	E ≤ 0.5	ISO 10545-3	256/8
2-2	Breaking strength (N)				**7,250**	Min. 1,500	ISO 10545-4	256/2
	Modulus of rupture (N/mm²)				**47**	Min. 32	ISO 10545-4	256/2
2-3	Abrasion resistance				**1,650 revolutions · R11**	Min. class 3	ISO 10545-7	256/10
2-4	Linear thermal expansion (ambient to 100 °C)				**Not mandatory · 9×10^{-6}**	Max. 9×10^{-6} per K	ISO 10545-8	256/9
2-5	Thermal shock resistance				**–**	Test method available	ISO 10545-9	256/4
2-6	Crazing resistance (glazed)				**OK · no crazing**	No crazing	ISO 10545-11	256/5
2-7	Frost resistance				**OK**	Should be acceptable	ISO 10545-12	–
3	**CHEMICAL PROPERTIES**							
3-1	Stain resistance (glazed)				**Class 3**	Min. class 3	ISO 10545-13	256/6
3-2	Household chemicals and swimming pool salts				**GB**	Min. class GB	ISO 10545-13 ISO 10545-14	256/3
3-3	Acids and alkalis, low concentration				**GLB**	Min. class GB		
	Acids and alkalis, high concentration					Test method available		
4	Packaging & marking				**Accepted**			

Conclusion: the tested sample complies with IQS 1704/6 for the tests performed.

Values measured on samples and may vary by production batch. Colour, finish and availability are confirmed on order.