

TECHNICAL DATA SHEET

GLAZED CERAMIC WALL TILES

Vintage Ceramic Wall Tiles - 76x302mm

ISO 13006: 2018 E > 10% Group B III

Dimensions and Surface Quality	Test Method	Requirements	Test Result	Verdict
Length: The deviation, of the average size for each tile (2 sides) from the work size	ISO 10545-2	N ≥ 15cm	± 0.3% ± 1.0mm	+0.03%~-+0.26% +0.1mm~-+0.8mm Pass Pass
Width: The deviation, of the average size for each tile (2 sides) from the work size	ISO 10545-2	7cm ≤ N < 15cm	± 0.4mm	-0.3mm~-+0.1mm Pass
Thickness: The deviation, of the average thickness of each tile from the work size thickness	ISO 10545-2	N ≥ 15cm	± 10%	-2.8%~-+2.3% Pass
			± 0.5mm	-0.2mm~-+0.2mm Pass
Straightness of Sides: The maximum deviation from straightness related to the corresponding work sizes				
Length	ISO 10545-2	N ≥ 15cm	± 0.3%	-0.02%~-+ 0.01% Pass
			± 0.8mm	0 Pass
Width	ISO 10545-2	7cm ≤ N < 15cm	± 0.4mm	0~-+0.1mm Pass
Rectangularity: The maximum deviation from Rectangularity related to the corresponding work sizes				
Length	ISO 10545-2	N ≥ 15cm	± 0.3%	+0.04%~-+ 0.10% Pass
			± 1.5mm	+0.1mm~-+0.3mm Pass
Width	ISO 10545-2	7cm ≤ N < 15cm	± 0.4mm	0~-+0.1mm Pass
Surface Flatness: The maximum deviation from flatness				
a) Centre Curvature, related to diagonal calculated from the work size	ISO 10545-2	N ≥ 15cm	± 0.4%	-0.06%~-0.05% Pass
			± 1.8mm	-0.2mm Pass
b) Edge Curvature, related to the corresponding work sizes				
Length	ISO 10545-2	N ≥ 15cm	± 0.4%	+0.07%~-+0.10% Pass
			± 1.8mm	+0.2mm~-+0.3mm Pass
Width	ISO 10545-2	7cm ≤ N < 15cm	± 0.6mm	0~-+0.1mm Pass
c) Warpage, related to diagonal calculated from the work size	ISO 10545-2	N ≥ 15cm	± 0.4%	-0.06%~-0.04% Pass
			± 1.8mm	-0.2mm~-0.1mm Pass
Surface Quality	ISO 10545-2		A Minimum of 95% of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles.	100% Pass
Physical Properties				
Water Absorption	ISO 10545-3		Eb > 10%	16.9% Pass
			Individual minimum 9%	16.1%~17.3% Pass
Breaking Strength, in N	ISO 10545-4		≥ 600	834 Pass
Modulus of Rupture (Mpa)	ISO 10545-4		≥ 12	22.8 Pass
Chemical Properties				
Resistance to staining				
a) Red staining agent in light oil	ISO 10545-14		Minimum Class 3	Class 5 Pass
b) Green staining agent in light oil	ISO 10545-14		Minimum Class 3	Class 5 Pass
d) Olive Oil	ISO 10545-14		Minimum Class 3	Class 5 Pass

The above Johnson Tiles technical specifications are a general indication only. Please contact your local Johnson Tiles representative or state office for more detailed information.