

Technical Data Sheet

200x200 Elements

Ceramic Wall and Floor Tile

Test Description				
Wet Pendulum		P5		
Specifications				
Working Size		200x200x8.5mm		
Nominal Size		200x200mm		
Dimensions and Surface Quality				
Testing Item		Technical Requirements	Result	Verdict
Length and width		±0.6%	-0.37%~0.10%	P
The deviation of the average size for each tile from the work size		±2.0mm	-0.74mm~0.20mm	
Thickness		±5%	-0.70%~+1.88%	P
The deviation of the average thickness of each tile from the work size thickness		±0.5mm	-0.06mm~+0.16mm	
Straightness of sides		±0.5%	-0.05%~+0.17%	P
The maximum deviation from straightness related to the corresponding work sizes		±1.5mm	-0.10mm~+0.34mm	
Rectangularity		±0.5%	-0.34%~+0.19%	P
The maximum deviation from Rectangularity related to the corresponding work sizes		±2.0mm	-0.68mm~+0.38mm	
Surface Flatness: The maximum deviation from flatness				
A)	Centre curvature, related to diagonal calculated from the work size	±0.5%	+0.12%~+0.25%	P
		±2.0mm	+0.35mm~+0.70mm	
B)	Edge curvature, related to the corresponding work sizes	±0.5%	-0.18%~+0.17%	P
		±2.0mm	-0.37mm~+0.34mm	
C)	Warpage, related to diagonal calculated from the work size	±0.5%	-0.21%~+0.12%	P
		±2.0mm	-0.59mm~+0.35mm	
Surface Quality		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%	P



Physical Properties				
Testing Item		Technical Requirements	Result	Verdict
Water Absorption Rate E (%)		$0.5\% < E \leq 3\%$	2.42%	P
		Individual maximum 3.3%	2.03%~2.75%	P
Breaking Strength, in N		≥ 1100	1226	P
Modulus of Rupture, in N/mm ²		Average value ≥ 30	32.9	P
		Individual minimum 27	31.6~34.2	P
Abrasion Resistance		Report Abrasion Class	Class 4	-
		Report Cycles Passed	2100 turns	-
Crazing Resistance		Required	No crack or peeling	P
Frost Resistance		Required	No crack or peeling	P
Chemical Properties				
Testing Item		Technical Requirements	Result	Verdict
Resistance to staining	Green staining agent in light oil	Minimum Class 3	Class 5	P
	Iodine, 13g/L solution in alcohol	Minimum Class 3	Class 5	P
	Olive Oil	Minimum Class 3	Class 5	P

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.

