

TECHNICAL DATA SHEET

CERAMIC TILES

Spectrum Wall Tiles

Test Description				
Wet Pendulum	N/A			
Oil Wet Ramp	N/A			
	Standard requirements	Specifications	Specifications	
Nominal Size		100x100mm	100x200mm	
Work Size		97x97x6.5mm	97x197x6.5mm	
Dimensions and Surface Quality				
Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size	+/- 0.75 % (Surface < 410cm ²) +/- 0.60 % (Surface > 410cm ²)	97.00 mm +/- 0.75 %	97.00 mm +/- 0.75 % 197.00 mm +/- 0.75 %	
The deviation (%) of the average size for each tile from the average size of 10 test specimen	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
Thickness	+/- 5 %	6.5 mm +/- 5 %	6.5 mm +/- 5 %	
Straightness of sides	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
Rectangularity	+/- 0.60 %	+/- 0.60 %	+/- 0.60 %	
Surface Flatness:				
a) Centre curvature	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
b) Edge curvature	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
c) Warpage	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
Surface quality	Minimum 95 %	Minimum 95 %	Minimum 95 %	
Physical Properties				
Water absorption	3 - 6 %	3 - 6 %	3 - 6 %	
Breaking strength, in N				
a) Thickness >= 7.5	≥ 1000	> 1000	> 1000	
b) Thickness < 7.5mm	≥ 600	> 600	> 600	
Modulus of rupture	Minimum 18 N/mm ²	Minimum 22 N/mm ²	Minimum 22 N/mm ²	
Crazing Test				
	No Craze	No Craze	No Craze	
Abrasion resistance				
	Report Abrasion Class	Class 0 - 4	Class 0 - 4	
Chemical Properties				
Chemical resistance				
a) Household chemicals	Minimum GB	Minimum GB	Minimum GB	
b) Swimming pool salt	Minimum GB	Minimum GB	Minimum GB	
c) Acid and alkali	Manufacturer to state classification	Light/Dark Colour	Light/Dark Colour	
		Class GLA	Class GLA	
		Class GLB	Class GLB	
		Class GLC	Class GLC	
Staining resistance	Minimum Class 3	Minimum Class 3	Minimum Class 3	
MS ISO 13006: 2003, GROUP BIIa 3 % < E <= 6 %				

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.