

# TECHNICAL DATA SHEET

CERAMIC TILES

## Spectrum Wall Tiles

Test Description				
Wet Pendulum	N/A			
Oil Wet Ramp	N/A			
	<b>Standard requirements</b>	<b>Specifications</b>		
Nominal Size		200x200mm		
Work Size		197x197x7.0mm		
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 <sup>2</sup> ) +/- 0.60 % (Surface > 410cm <sup>2</sup> )	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 %		
Thickness	+/- 5 %	7.0 mm +/- 5 %		
Straightness of sides	+/- 0.50 %	+/- 0.50 %		
Rectangularity	+/- 0.60 %	+/- 0.60 %		
Surface Flatness:				
a) Centre curvature	+/- 0.50 %	+/- 0.50 %		
b) Edge curvature	+/- 0.50 %	+/- 0.50 %		
c) Warpage	+/- 0.50 %	+/- 0.50 %		
Surface quality	Minimum 95 %	Minimum 95 %		
Physical Properties				
Water absorption	6 % < E <= 10 %	6 - 10 %		
Breaking strength, in N				
a) Thickness >= 7.5	>= 800	> 800		
b) Thickness < 7.5mm	>= 500	> 500		
Modulus of rupture	Minimum 18 N/mm <sup>2</sup>	Minimum 18 N/mm <sup>2</sup>		
Crazing Test	No Craze	No Craze		
Chemical Properties				
Chemical resistance				
a) Household chemicals	Minimum GB	Minimum GB		
b) Swimming pool salt	Minimum GB	Minimum GB		
c) Acid and alkali	Manufacturer to state classification	Light/Dark Colour Class GLA Class GLB Class GLC		
Staining resistance	Minimum Class 3	Minimum Class 3		
<b>MS ISO 13006: 2003, GROUP BIIb, 6 % &lt; E &lt;= 10 %</b>				

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.