

# TECHNICAL DATA SHEET

CERAMIC TILES

## Sorrento Floor Tiles

Test Description	Testing Body	Surface	Rating	Surface	Rating
Wet Pendulum	Factory	Matt	P2	Grit	P5
Oil Wet Ramp	ATTAR				R11
	<b>Standard requirements</b>	<b>Specifications</b>	<b>Specifications</b>		
Nominal Size		300x300mm	400x400mm		
Work Size		299x299x7.2mm	400x400x8.4mm		
<b>Dimensions and Surface Quality</b>					
Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size	+/- 0.75 % (Surface < 410cm2) +/- 0.60 % (Surface > 410cm2)	299.00 mm +/- 0.60 %	400.00 mm +/- 0.60 %		
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 %	7.2 mm +/- 5 %	8.4 mm +/- 5 %		
Straightness of sides	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %		
Rectangularity	+/- 0.60 %	+/- 0.60 %	+/- 0.60 %		
<b>Surface Flatness:</b>					
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 %		
<b>Physical Properties</b>					
Water absorption	3 % < E ≤ 6 %	3 - 6 %	3 - 6 %		
<b>Breaking strength, in N</b>					
a) Thickness >= 7.5	>= 1000	> 1000	> 1000		
b) Thickness < 7.5mm	>= 600	> 600	> 600		
Modulus of rupture	Minimum 18 N/mm2	Minimum 22 N/mm2	Minimum 22 N/mm2		
<b>Crazing Test</b>					
	No Craze	No Craze	No Craze		
<b>Abrasion resistance</b>					
	Class 1 - 4	Class 1 - 4	Class 1 - 4		
<b>Chemical Properties</b>					
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		
<b>MS ISO 13006: 2003, GROUP BIIa 3 % &lt; E &lt;= 6 %</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.