

# Technical Data Sheet

## Spectrum Plus

### Spectrum Plus Wall Tiles

<b>Test Description</b>			
LRV (Luminance Reflective Value)	Thunderstorm Satin – 14 LRV	Smoke Satin – 46 LRV	
	Antique Blue Satin – 7 LRV	Sea Foam Satin – 42 LRV	
	Forest Green Satin – 12 LRV	Wild Sage Satin – 46 LRV	
	Barn Red Satin – 10 LRV	Coral Reef Satin – 43 LRV	
<b>Specifications</b>			
Nominal Size	100x100mm	100x200mm	200x200mm
Work Size	97x97x7.0mm	97x197x7.0mm	197x197x7.0mm
<b>Dimensions and Surface Quality</b>			
Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size	97.00 mm +/- 0.75 %	97.00 mm +/- 0.75 % 197.00 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	7.0 mm +/- 5 %	7.0 mm +/- 5 %	7.0 mm +/- 5 %
Straightness of Sides	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %
Rectangularity	+/- 0.50 %	+/- 0.50 %	+/- 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 %
<b>Physical Properties</b>			
Water Absorption	16 - 17%	16 - 17%	6-10%
Breaking Strength, in N			
a) Thickness >= 7.5	-	-	> 800
b) Thickness < 7.5mm	> 350	> 350	> 500



Modulus of Rupture	> 16	> 16	Minimum 18 N/mm <sup>2</sup>
Crazing Test	No Craze	No Craze	No Craze
Abrasion Resistance	No	No	-
<b>Chemical Properties</b>			
a) Household chemicals	Minimum GA	Minimum GA	Minimum GB
b) Swimming Pool Salt	Minimum GA	Minimum GA	Minimum GB
c) Acid and Alkali	Light/Dark Colour Class GLA Class GLB Class GLC	Light/Dark Colour Class GLA Class GLB Class GLC	Light/Dark Colour Class GLA Class GLB Class GLC
Staining Resistance	Minimum Class 5	Minimum Class 5	Minimum Class 3
MS ISO 13006: 2003, GROUP BIII 10 % < E <=20% [97x97mm, 97x197mm]			
MS ISO 13006: 2003, GROUP BIb 6 % < E <=10% [197x197mm]			

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.

