

# Technical Data Sheet

## Solar

### Solar Wall & Floor Tiles

<b>Test Description</b>		
Wet Pendulum	Matt P3	
<b>Test Description</b>		
LRV (Light Reflectance Value)	White Matt – 70 LRV	Brick Matt – 22 LRV
	Pearl Matt – 61 LRV	Amber Matt – 32 LRV
	Ash Matt - 35 LRV	Forrest Matt - 20 LRV
	Midnight – 11 LRV	Pacific Matt – 11 LRV
<b>Specifications</b>		
Nominal Size	75x230mm	150x150mm
Work Size	75x230x8mm	150x150x8mm
<b>Dimensions and Surface Quality</b>		
Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size	-0.1mm~+0.5mm	-0.2mm~+0.4mm
Thickness	-0.2mm~+0.2mm	-0.2mm~+0.2mm
Straightness of Sides	0~0.4mm	0~0.4mm
Rectangularity	0~0.4mm	0~0.4mm
<b>Surface Flatness:</b>		
a) Centre Curvature	-0.2mm~+0.3mm	-0.2mm~+0.3mm
b) Edge Curvature	-0.1mm~+0.3mm	-0.1mm~+0.4mm
c) Warpage	-0.2mm~+0.2mm	-0.1mm~+0.3mm
Surface Quality	100% no defect noticeable from the sight of 1m	100% no defect noticeable from the sight of 1m
<b>Physical Properties</b>		
Water Absorption	1.3%~2.9%	1.3%~2.9%
Breaking Strength, in N	1753	1753
Modulus of Rupture	44.6	44.6



Crazing Test	No Craze	No Craze
Abrasion Resistance	Class 4	Class 4

<b>Chemical Properties</b>			
a) Household chemicals	A	A	
b) Swimming Pool Salt	A	A	
c) Acid and Alkali	HA	HA	
Staining Resistance	Green staining agent in light oil	Class 5	Class 5
	Red staining agent in light oil	Class 5	Class 5
	Iodine, 13g/L solution in alcohol	Class 5	Class 5
	Olive oil	Class 5	Class 5
MS ISO 13006: 2018, GROUP			

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.

