

Technical Data Sheet

Caspian

Caspian Wall & Floor Tiles

Test Description				
Wet Pendulum				
Oil Wet Ramp				
Specifications				
Nominal Size	300x600mm	600x600mm	600x1200mm	600x600mm
Work Size	300x600x9.5mm	600x600x9.5mm	600x1200x9.5mm	600x600x20mm
Dimensions and Surface Quality				
Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size	-0.2mm~-0.1mm	-0.2mm~-0.1mm	-0.2mm~-0.1mm	-0.30mm~-0.19
Thickness	+0.2mm~+0.4mm	+0.2mm~+0.4mm	+0.2mm~+0.4mm	-0.09mm~+0.10mm
Straightness of Sides	-0.1mm~+0.1mm	-0.1mm~+0.1mm	-0.1mm~+0.1mm	-0.33mm~+0.59mm
Rectangularity	-0.4mm~+0.6mm	-0.4mm~+0.6mm	-0.4mm~+0.6mm	-0.51mm~+0.27mm
Surface Flatness:				
a) Centre Curvature	-0.2mm~+0.2mm	-0.2mm~+0.2mm	-0.2mm~+0.2mm	+0.30mm~+0.59mm
b) Edge Curvature	-0.3mm~+0.3mm	-0.3mm~+0.3mm	-0.3mm~+0.3mm	-0.25~+0.15mm
c) Warpage	+0.4mm~+0.6mm	+0.4mm~+0.6mm	+0.4mm~+0.6mm	-0.29~+0.58mm
Surface Quality	100% no defect noticeable from the sight of 1m	100% no defect noticeable from the sight of 1m	100% no defect noticeable from the sight of 1m	100% no defect noticeable from the sight of 1m
Physical Properties				
Water Absorption	0.08%~0.11%	0.08%~0.11%	0.08%~0.11%	0.04%~0.07%
Breaking Strength, in N	2609	2609	2609	10664
Modulus of Rupture	50.5	50.5	50.5	39
Crazing Test	No Craze	No Craze	No Craze	No Craze
Abrasion Resistance	Class 4	Class 4	Class 4	Class 4



Chemical Properties					
a) Household chemicals		A	A	A	GA
b) Swimming Pool Salt		A	A	A	GA
c) Acid and Alkali		HA	HA	HA	GHA
Staining Resistance	Green staining agent in light oil	Class 5	Class 5	Class 5	N/A
	Red staining agent in light oil	Class 5	Class 5	Class 5	N/A
	Iodine, 13g/L solution in alcohol	Class 3	Class 3	Class 3	N/A
	Olive oil	Class 3	Class 3	Class 3	N/A
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.

