

Technical Data Sheet

Twilight

Porcelain Wall & Floor Tile

Test Description			
Wet Pendulum	P4	P4	P4
Oil Wet Ramp			
Test Description			
LRV (Luminance Reflective Value)	Ivory Matt – 42 LRV		
	Light Grey Matt – 28 LRV		
	Dark Grey Matt – 19 LRV		
Specifications			
Nominal Size	300x300mm	300x600mm	600x600mm
Work Size	300x300x9.1mm	300x600x9.1mm	600x600x9.1mm
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
The deviation (%) of the average size for each tile from the average size of 10 test specimen	0~+0.1mm	0~+0.1mm	0~+0.1mm
Thickness	9.1mm	9.1mm	9.1mm
Straightness of Sides	-0.1mm~+0.1mm	-0.1mm~+0.1mm	-0.1mm~+0.1mm
Rectangularity	-0.4mm~+0.2mm	-0.4mm~+0.2mm	-0.4mm~+0.2mm
Surface Flatness:			
a) Centre Curvature	-0.3mm~+0.2mm	-0.3mm~+0.2mm	-0.3mm~+0.2mm
b) Edge Curvature	-0.2mm~+0.3mm	-0.2mm~+0.3mm	-0.2mm~+0.3mm
c) Warpage	-0.3mm~+0.4mm	-0.3mm~+0.4mm	-0.3mm~+0.4mm
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



Physical Properties				
Water Absorption		0.6%~1.5%	0.6%~1.5%	0.6%~1.5%
Breaking Strength, in N		1326	1326	1326
Modulus of Rupture		30.1	30.1	30.1
Crazing Test		No Craze	No Craze	No Craze
Abrasion Resistance		Class 4	Class 4	Class 4
Chemical Properties				
a) Household chemicals		A	A	A
b) Swimming Pool Salt		A	A	A
c) Acid and Alkali		HA	HA	HA
Staining Resistance	Green staining agent in light oil	Class 5	Class 5	Class 5
	Red staining agent in light oil	Class 5	Class 5	Class 5
	Iodine, 13g/L solution in alcohol	Class 5	Class 5	Class 5
	Olive oil	Class 5	Class 5	Class 5
MS ISO 13006: 2003, 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.

