

TECHNICAL DATA SHEET

CERAMIC TILES

Pavement Floor Tiles

Test Description	Testing Body	Surface	Rating		
Wet Pendulum	Factory	Grit	P5		
	Standard requirements	Specifications	Specifications	Specifications	
Nominal Size		300x300mm	400x400mm	300x600mm	
Work Size		299x299x7.2mm	400x400x8.4mm	300x600x9.0mm	
Dimensions and Surface Quality					
Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size	+/- 0.75 % (Surface < 410cm ²) +/- 0.60 % (Surface > 410cm ²)	299.00 mm +/- 0.60 %	400.00 mm +/- 0.60 %	300.00 mm +/- 0.60 % 600.00 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 %	+/- 0.50 %	
Thickness	+/- 5 %	7.2 mm +/- 5 %	8.4 mm +/- 5 %	9.0 mm +/- 5 %	
Straightness of sides	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
Rectangularity	+/- 0.60 %	+/- 0.60 %	+/- 0.60 %	+/- 0.60 %	
Surface Flatness:					
a) Centre curvature	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
b) Edge curvature	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
c) Warpage	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	+/- 0.50 %	
Surface quality	Minimum 95 %	Minimum 95 %	Minimum 95 %	Minimum 95 %	
Physical Properties					
Water absorption	3 % < E ≤ 6 %	3 - 6 %	3 - 6 %	3 - 6 %	
Breaking strength, in N					
a) Thickness ≥ 7.5	≥ 1000	> 1000	> 1000	> 1000	
b) Thickness < 7.5mm	≥ 600	> 600	> 600	> 600	
Modulus of rupture	Minimum 18 N/mm ²	Minimum 22 N/mm ²	Minimum 22 N/mm ²	Minimum 22 N/mm ²	
Crazing Test					
Crazing Test	No Craze	No Craze	No Craze	No Craze	
Abrasion resistance					
Abrasion resistance	Class 1 - 4	Class 1 - 4	Class 1 - 4	Class 1 - 4	
Chemical Properties					
Chemical resistance					
a) Household chemicals	Minimum GB	Minimum GB	Minimum GB	Minimum GB	
b) Swimming pool salt	Minimum GB	Minimum GB	Minimum GB	Minimum GB	
c) Acid and alkali	Manufacturer to state classification	Light/Dark Colour	Light/Dark Colour	Light/Dark Colour	
		Class GLA	Class GLA	Class GLA	
		Class GLB	Class GLB	Class GLB	
		Class GLC	Class GLC	Class GLC	
Staining resistance	Minimum Class 3	Minimum Class 3	Minimum Class 3	Minimum Class 3	
MS ISO 13006: 2003, GROUP BIIa 3 % < E ≤ 6 %					