

TECHNICAL DATA SHEET

GLAZED PORCELAIN TILES

Mars Floor Tiles - Matt

MS ISO 13006: 2014, GROUP BIa E ≤ 0.5%

	Standard Requirements	Internal Requirement	Test Result
Nominal Size Work Size		30x60cm 299.5 x 600.0 x 8.5mm	(Matt) 30x60cm 299.5 x 600.0 x 8.5mm
Dimension and Surface Quality			
Dimension: Length & Width (Average)			
The deviation, in percent, of the average size for each tile from the work size	± 0.6% (Surface . 410 cm ²)	± 2.0%	Average: 300 x 599.9mm
Thickness	± 5.0%	± 5.0%	Average: 8.61mm
Surface Quality	Minimum 95%	Minimum 95%	100%
Physical Properties			
Water Absorption	E ≤ 0.5%	E ≤ 0.5%	Average = 0.04% Ind. Max = 0.06%
Breaking Strength, in N	Not less than 1300 N	≥ 1300 N	Average 2123 N
Modulus of Rupture (Mpa)	Minimum 35 N/mm ²	≥ 35 N/mm ²	Average = 51 N/mm ² Ind. Min = 49 N/mm ²
Slip Resistance Wet Pendulum Test (Factory test)	Manufacturer to State Value	PTV = P3	PTV = 23 - 27 P2
Abrasion Resistance (PEI)	Report Abrasion Class	Min Class 3	Abrasion class: Class 3 Cycle passed: 750
Crazing Test	Required	No Crazing observed	No Crazing observed
Chemical Properties			
Chemical Resistance to:			
a) Swimming Pool Salts - glazed tiles	Minimum GB	Minimum GB	GA
b) Acid and Alkaline - glazed tiles	Manufacturer to state Classification	Minimum GLB	1) Hydrochloric acid solution, 3% 2) Potassium hydroxide solution 30g/l 3) Citric acids solution 100g/l Result: No visible effect (GLA)
Resistance to Staining:			
a) Glazed tiles	Minimum Class 3	Minimum Class 3	1) Green staining agent in light oil 2) Iodine, 13g/l solution in alcohol 3) Olive Oil Result: Class 5

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.