

TECHNICAL DATA SHEET

GLAZED PORCELAIN TILES

400x800 Peak Floor Tiles - Matt & Grit

MS ISO 13006: 2014, GROUP Bla E \leq 0.5%

	Standard Requirements	Internal Requirement	Test Result	Test Result
Nominal Size Work Size		40x80cm 398.5 x 800.0 x 10.2mm	(Matt) 40x80cm 398.5 x 800.0 x 10.2mm	(Grit) 40x80cm 398.5 x 800.0 x 10.2mm
Dimension and Surface Quality				
Dimension: Length & Width (Average)				
The deviation, in percent, of the average size for each tile from the work size	\pm 0.6% (Surface . 410 cm ²)	\pm 0.2%	Average: 398.6 x 800.0mm	Average: 398.6 x 800.0mm
Thickness	\pm 5.0%	\pm 5.0%	Average: 10.30mm	Average: 10.30mm
Surface Quality	Minimum 95%	Minimum 95%	100%	100%
Physical Properties				
Water Absorption	E \leq 0.5%	E \leq 0.5%	Average = 0.101% Ind. Max = 0.14%	Average = 0.11% Ind. Max = 0.14%
Breaking Strength, in N	Not less than 1300 N	\geq 1300 N	Average 2188 N	Average 2188 N
Modulus of Rupture (Mpa)	Minimum 35 N/mm ²	\geq 35 N/mm ²	Average = 55 N/mm ² Ind. Min = 51 N/mm ²	Average = 55 N/mm ² Ind. Min = 51 N/mm ²
Slip Resistance Wet Pendulum Test (Factory test)	Manufacturer to State Value	PTV = P3	PTV = 34 - 42 P3	PTV = 52 - 55 P4
Wet Pendulum Test (Safe Environments) Oil Wet Ramp Test (Safe Environments)			P4 R10	
Abrasion Resistance (PEI)	Report Abrasion Class	Min Class 3	Class 3 Cycle Passed: 750	Class 3 Cycle Passed: 750
Crazing Resistance	Required	No crazing observed	No crazing observed	No crazing observed
Chemical Properties				
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	1) Green staining agent in light oil 2) Iodine, 13g/l solution in alcohol 3) Olive Oil Result: Class 5
Resistance to low concentrations of acids and alkalis: a) 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)	1) Hydrochloric acid solution, 3% 2) Potassium hydroxide solution 30g/l 3) Citric acids solution 100g/l Result: No visible effect (GLA)
Resistance to household chemicals and swimming pool salt a) glazed tiles	Minimum GB	Minimum GB	GA	GA

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.