

# TECHNICAL DATA SHEET

## GLAZED PORCELAIN TILES

Graniti Floor Tiles

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

	Standard Requirements	Internal Requirement	Test Result
<b>Nominal Size Work Size</b>		30x30cm 300.0 x 300.0 x 8.5mm	<b>(Grit)</b> 30x30cm 297.5 x 297.5 x 8.5mm
<b>Dimension and Surface Quality</b>			
<b>Dimension: Length &amp; Width (Average)</b>			
<b>The deviation, in percent, of the average size for each tile from the work size</b>	$\pm$ 0.6% ( Surface . 410 cm <sup>2</sup> )	$\pm$ 0.2%	Average: 297.5 x 297.6mm
<b>Thickness</b>	$\pm$ 5.0%	$\pm$ 5.0%	Average: 8.57mm
<b>Surface Quality</b>	Minimum 95%	Minimum 95%	100%
<b>Physical Properties</b>			
<b>Water Absorption</b>	E $\leq$ 0.5%	E $\leq$ 0.5%	Average = 0.07% Ind. Max = 0.10%
<b>Breaking Strength, in N</b>	Not less than 1300 N	$\geq$ 1300 N	Average 2001 N
<b>Modulus of Rupture (Mpa)</b>	Minimum 35 N/mm <sup>2</sup>	$\geq$ 35 N/mm <sup>2</sup>	Average = 52 N/mm <sup>2</sup> Ind. Min = 51 N/mm <sup>2</sup>
<b>Slip Resistance Wet Pendulum Test (Factory test)</b>	Manufacturer to State Value	PTV = P3 (MATT) PTV = P4 (GRIT)	PTV = 49 - 54 P4
<b>Abrasion Resistance (PEI)</b>	Report Abrasion Class	Min Class 3	Class 3 Cycle Passed: 750
<b>Crazing Resistance</b>	Required	No crazing observed	No crazing observed
<b>Chemical Properties</b>			
<b>Resistance to staining: a) glazed tiles</b>	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
<b>Resistance to low concentrations of acids and alkalis: a) glazed tiles</b>	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)
<b>Resistance to household chemicals and swimming pool salt a) glazed tiles</b>	Minimum GB	Minimum GB	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.