

# TECHNICAL DATA SHEET

## GLAZED PORCELAIN TILES

Urban Cement Floor Tiles - Matt & Grit  
MS ISO 13006: 2014, GROUP Bla E ≤ 0.5%

	Standard Requirements	Internal Requirement	Test Result	Test Result
<b>Nominal Size Work Size</b>		30x60cm 299.5 x 600.0 x 8.5mm	<b>(Matt)</b> 30x60cm 299.5 x 600.0 x 8.5mm	<b>(Grit)</b> 30x60cm 299.5 x 600.0 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>	± 0.6% ( Surface . 410 cm <sup>2</sup> )	299.5 x 600.0mm (± 0.2%)	Average: 299.8 x 600.0mm	Average: 299.8 x 600.0mm
<b>Thickness</b>	± 5.0%	8.5mm (± 5.0%)	Average: 8.55mm	Average: 8.55mm
<b>Straightness of Sides</b>	± 0.5%	± 0.2%	± 0.2%	± 0.2%
<b>Rectangularity</b>	± 0.6%	± 0.3%	± 0.3%	± 0.3%
<b>Surface Flatness:</b>				
a) Centre curvature	± 0.5%	± 0.3% (-0.5mm/+1.0mm)	-0.07mm / +0.09mm	-0.08mm / +0.10mm
b) Edge curvature	± 0.5%	± 0.3% (-0.5mm/+1.0mm)	-0.05mm / +0.30mm	-0.05mm / +0.30mm
c) warpage	± 0.5%	± 0.3% (-0.5mm/+1.0mm)	-0.05mm / +0.03mm	-0.05mm / +0.10mm
<b>Surface Quality</b>	Minimum 95%	Minimum 95%	Minimum 95%	Minimum 95%
<b>Physical Properties</b>				
<b>Water Absorption</b>	E ≤ 0.5%	E ≤ 0.5%	Average = 0.06% Ind. Max = 0.08%	Average = 0.07% Ind. Max = 0.07%
<b>Breaking Strength, in N</b>	Not less than 1300 N	≥ 1300 N	Average 2224 N	Average 2184 N
<b>Modulus of Rupture (Mpa)</b>	Minimum 35 N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup>	Average = 53 N/mm <sup>2</sup> Ind. Min = 51 N/mm <sup>2</sup>	Average = 56 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	PTV = 38 - 44	PTV = 54 - 57
<b>Wet Pendulum Test (ATTAR) Oil Wet Ramp Test (ATTAR)</b>			P3 R10	
<b>Abrasion Resistance (PEI)</b>	Report Abrasion Class	Min Class 3	Class 4	Class 4
<b>Crazing Resistance</b>	No Craze	No Craze	No Craze	No Craze
<b>Chemical Properties</b>				
<b>Chemical Resistance to:</b>				
a) Household	Minimum GB	Minimum GB	GA	GA
a) Swimming Pool	Minimum GB	Minimum GB	GA	GA
b) Acid and Alkaline	Manufacturer to state Classification	Manufacturer to state Classification	GLA	GLA
<b>Staining Resistance</b>	Minimum Class 3	Minimum Class 3	Class 5	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.