

TECHNICAL DATA SHEET

GLAZED CERAMIC TILES



Desert Floor Tiles

Dimensions and Surface Quality	Specifications (Gloss)	Specifications (Matt)	Specifications (Grit)
Size (mm)	450x450x9mm	450x450x9mm	450x450x9mm
Working size (mm)	450x450x8.8mm	450x450x8.8mm	450x450x8.8mm
Caliber S dimensions S/L (mm)	451.0 ± 1.0	451.0 ± 1.0	451.0 ± 1.0
Caliber X dimensions X/M (mm)	450.0 ± 1.0	450.0 ± 1.0	450.0 ± 1.0
Caliber A dimensions A/S (mm)	449.0 ± 1.0	449.0 ± 1.0	449.0 ± 1.0
Thickness (mm)	8.8 ± 0.5	8.8 ± 0.5	8.8 ± 0.5
Measurement of Rectangularity (mm)	± 1.2	± 1.2	± 1.2
Straightness of Sides (mm)	-0.6 ~ + 0.6	-0.6 ~ + 0.6	-0.6 ~ + 0.6
Measurement of Wedging (mm)	1.2	1.2	1.2
Centre Curvature (mm)	-0.5 ~ + 1.0	-0.5 ~ + 1.0	-0.5 ~ + 1.0
Edge Curvature (mm)	-0.4 ~ + 0.8	-0.4 ~ + 0.8	-0.4 ~ + 0.8
Warpage (mm)	-0.3 ~ + 0.8	-0.3 ~ + 0.8	-0.3 ~ + 0.8
Surface Quality (%)	≥ 95% no defect noticeable from the sight of 0.8m		
Water Absorption (%)	2.0 ≤ E ≤ 6.0	E ≤ 1.0	E ≤ 1.0
Modulus of Rupture (Mpa)	≥ 30	≥ 35	≥ 35
Breaking Strength (N)	Average ≥ 1100	Average ≥ 1300	Average ≥ 1300
Abrasion Resistance	Class 3	Class 4 for lighter colours, Class 3 for darker colours	
Crazing Resistance	No cracks found with 5 cycle test		
Resistance to Chemicals:			
HCL	≥ GLB	≥ GLB	≥ GLB
KOH	≥ GLB	≥ GLB	≥ GLB
Resistance to Staining:			
Blue ink	≥ Class 3	≥ Class 3	≥ Class 3
Potassium permanganate	≥ Class 3	≥ Class 3	≥ Class 3
Coefficient of friction:			
Dry	N/A	≥ 0.5	≥ 0.6
Wet	N/A	≥ 0.5	≥ 0.5
Slip Resistance	N/A	R9-R10 / P1 - P2	P5
Wet Pendulum Test (ATTAR)			60 - 70 BPM P5

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.