

TEST REPORT

Sample Code	MVG1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754	Dimensions	450mmx50mmx9.2mm
Sample Name	Sky Bar Matt & Gloss	Group	not rectified
Quantity of Samples	2 Boxes	Body	Porcelain tiles

PROPERTIES	METHOD MS ISO	REQUIREMENTS	RESULTS	VERDICTS
Dimensions and surface quality				
Length: The deviation, of the the average size for each tile from the work size	10545-2:2002	±0.3% ±1.0mm	+0.03%~+0.08% +0.1mm~+0.4mm	P
Width: The deviation, of the average size for each tile from the work size	10545-2:2002	-	-	-
Thickness: The deviation of the average thickness of each tile from the work size thickness	10545-2:2002	±5% ±0.5mm	-0.6%~+1.4% -0.1mm~+0.1mm	P
Straightness of Sides: The maximum deviation from straightness related to corresponding work sizes				
Length	10545-2:2002	±0.3% ±0.8mm	0~+0.02% 0~+0.1mm	P
Width	10545-2:2002	-	-	-
Rectangularity: The maximum deviation from rectangularity related to the corresponding work sizes				
Length	10545-2:2002	±0.3% ±1.5mm	+0.03%~+0.06% +0.1mm~+0.3mm	P
Width	10545-2:2002	-	-	-
Surface Flatness: The maximum deviation from flatness				
a) centre curvature, related to diagonal calculated from the work size:	10545-2:2002	±0.4% ±1.8mm	-0.04%~+0.04% -0.2mm~+0.2mm	P
b) edge curvature, related to the corresponding work sizes:				
Length	10545-2:2002	±0.4% ±1.8mm	-0.04%~0 -0.2mm~0	P
Width	10545-2:2002	-	-	-
c) warpage, related to diagonal calculated from the work size.	10545-2:2002	±0.4% ±1.8mm	-0.04%~+0.04% -0.2mm~+0.2mm	P
Surface Quality	10545-2:2002	A minimum of 95% of the tiles shall be free from visible defects inspected vertically at 1.0m	100%	P
Physical Properties				
Water Absorption	10545-3:2001	0.5%<Ev ≤ 3%	1.5%	P
Percent Mass Fraction	10545-3:2001	ndividual maximum 3.3%	1.3%~1.8%	P
Breaking Strength, in N	10545-4:2003	≥ 1100	1951	P
Modulus of rupture, in N/mm² Not applicable to tiles with breaking strength ≥300N	10545-4:2003	Minimum 30 Ind Min 27	39.0-47.3	P
Abrasion Resistance: Resistance to surface abrasion of glazed tiles intended for use on floors	10545-7:2001	Report Abrasion Class Report Cycles passed	Class 3 1500	-
Crazing Resistance: Glazed tiles	10545-11:2001	Required	Fully Resistant	P
Chemical Properties				
Resistance to chemicals				
Resistance to household chemicals and swimming pool salts				
a) Household chemicals: Ammonium chloride, 100g/L	10545-13:2018	Miniumum B	A	P
b)Swimming pool salts: Sodium hypochlorite solution, 20mg/L	10545-13:2018	Miniumum B	A	P
Resistance to low concentrations of acids and alkalis				
a) Hydrochloric acid solution, 3% (v/v)	10545-13:2018	Manufacturer to state classification	LA	-
b) Citric acid solution, 100g/L	10545-13:2018	Manufacturer to state classification	LA	-
c) Potassium hydroxide, 30g/L	10545-13:2018	Manufacturer to state classification	LA	-
Resistance to high concentrations of acids and alkalis				
a) Hydrochloric acid solution, 18% (v/v)	10545-13:2018	Test method available	HA	-
b) Lactic acid, 5% (v/v)	10545-13:2018	Test method available	HA	-
c) Potassium hydroxide, 100g/L	10545-13:2018	Test method available	HA	-
Resistance to staining				
a) Green staining agent in light oil	10545-14:2018	Minimum Class 3	Class 5	P
b) Red staining agent in light oil	10545-14:2018	Minimum Class 3	Class 5	P
c) Iodine, 13g/L solution in alcohol	10545-14:2018	Minimum Class 3	Class 5	P
d) Olive Oil	10545-14:2018	Minimum Class 3	Class 5	P