

TEST REPORT

<b>Sample Code</b>	MVG1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754	<b>Dimensions</b>	450mmx50mmx9.2mm
<b>Sample Name</b>	Sky Bar Matt & Gloss	<b>Group</b>	B1b, rectified tiles
<b>Quantity of Samples</b>	2 Boxes	<b>Body</b>	Ceramic Tiles, Glazed

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