

TEST REPORT

<b>Name of Sample</b>	MVG1123	<b>Size</b>	49,75 x 99,55 x 10
<b>Reference Rules</b>	ISO-13006:2012 and UNE EN 14411:2013	<b>Group</b>	Bla-GL
<b>Type of Product</b>	Dry-pressed Ceramic tiles, with water absorption $E_b \leq 0,5\%$ type porcelain	<b>Use</b>	For walls and flooring, internal and external
<b>Name</b>	Emotion Grey Natural	<b>Production Batch</b>	09/11/2020

Characteristics	Test Method	Requirements	Values Compliance
<b>Dimensional and Surface Quality</b>			
Length & Width	EN ISO 10545-2	$\pm 0,6\%$ ó $\pm 2,0$ mm	$\pm 0,2\%$
Straightness of Sides	EN ISO 10545-2	$\pm 0,5\%$ ó $\pm 1,5$ mm	$\pm 0,2\%$
Rectangularity	EN ISO 10545-2	$\pm 0,5\%$ ó $\pm 2,0$ mm	$\pm 0,2\%$
Surface Flatness	EN ISO 10545-2	$\pm 0,5\%$ ó $\pm 2,0$ mm	$\pm 0,2\%$
Thickness	EN ISO 10545-2	$\pm 5,0\%$ ó $\pm 0,5$ mm	$\pm 5,0\%$
<b>Physical Properties</b>			
Water Absorption	EN ISO 10545-3	$E_b \leq 0,5\%$	$E_b \leq 0,2\%$
Breaking Strength	EN ISO 10545-4	Minimum 1.300N	$\geq 2200$ N
Flexural Tensile Strength	EN ISO 10545-4	Minimum 35 N/mm <sup>2</sup>	$\geq 45$ N/mm <sup>2</sup>
Surface Abrasion Resistance	EN ISO 10545-7	Declared Value	CLASS4
Linear Thermal Expansion	EN ISO 10545-8	Declared Value	$6.1 - 6.9 \times 10^{-6} (^{\circ}\text{C}^{-1})$
Thermal Shock Resistance	EN ISO 10545-9	Required	PASS
Crazing Resistance	EN ISO 10545-11	Required	PASS
Frost Resistance (internal and external use)	EN ISO 10545-12	Required	PASS
Bond Strength/ Adhesion (Cementitious adhesives)	EN 12004:2007+A1:2012,4.1	Declared Value	Type C2 > 1 N/mm <sup>2</sup>
Reaction to Fire		Class A1 FL/A1	A1 FL/A1
<b>Chemical Properties</b>			
Chemical Resistance (household chemicals and swimming pool salts)	EN ISO 10545-13	Minimum UB	GA
Resistance to Staining - Glazed Tiles	EN ISO 10545-14	Minimum 3	5

Important Notes:

The results in this report apply to the samples only.