



MIR[®]
porcelain
collections

Designs for your lifestyle

MATRIX



MATRIX BLANCO CONTOUR
Code: MAT-BLN-CON
Size: 11.7x35.2"



MATRIX BLANCO BLOCK
Code: MAT-BLN-BLO
Size: 11.7x35.2"



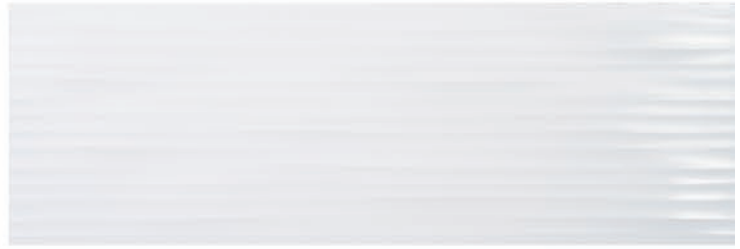


MATRIX BLANCO
Code: MAT-BLN-1236
Size: 11.7x35.2"



MATRIX BLANCO STREAK
Code: MAT-BLN-STR
Size: 11.7x35.2"





MATRIX BLANCO LINES
Code: MAT-BLN-LIN
Size: 11.7x35.2"



MATRIX BLANCO WAVE
Code: MAT-BLN-WAV
Size: 11.7x35.2"



TECHNICAL SHEET

PRODUCT	NAME: MATRIX COLLECTION SIZE: 11.7x35.2" BRANCH: 22/11/18
TYPE OF PRODUCT	TYPE: Dry-pressed ceramic tiles, with water absorption $E_w > 10\%$ TYPE WHITE BODY USE: For internal and external walls. GROUP: BIII
REFERENCED RULES	ISO-13006:2012 and UNE EN 14411:2013

Characteristics	Test Method	Requirements	Values Compliance
A) DIMENSIONS AND SURFACE QUALITY			
Length and width			
The work size shall be chosen as follows for:			
a) modular tiles:	EN ISO 10545-2	In order to allow a nominal joint width of between 2 and 5 mm	PASS
b) non-modular tiles:	EN ISO 10545-2	So that the difference between the work size and the nominal size is not more than 2% (maximum 5 mm)	PASS
The permissible deviation of the average size for each tile (2 or 4 sides) from the work size (W) Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$\pm 0,75\text{ mm}$ $\pm 2,0\text{ mm}$ $\delta \pm 0,5\%$	PASS
Thickness			
a) The thickness shall be specified b) The permissible deviation, of the average thickness of each tile from the work size thickness Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	Declared thickness $\pm 0,5\text{ mm}$ $\pm 0,5\text{ mm}$ $\delta \pm 10\%$	SEE BOX PASS
Straightness of sides (facial sides)			
The maximum permissible deviation from straightness, related to the corresponding work sizes. Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$\pm 0,5\text{ mm}$ $\pm 1,5\text{ mm}$ $\delta \pm 0,3\%$	PASS
Rectangularity			
The maximum permissible deviation from rectangularity, related to the corresponding work sizes. Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$\pm 0,75\text{ mm}$ $\pm 2,0\text{ mm}$ $\delta \pm 0,5\%$	PASS
Surface flatness			
The maximum permissible deviation from flatness			
a) centre curvature, related to diagonal calculated from the work sizes. Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$+ 0,75 / - 0,50\text{ mm}$ $+ 2,0 / - 1,5\text{ mm}$ $\delta + 0,5\% / - 0,3\%$	PASS
b) edge curvature, related to the corresponding work sizes. Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$+ 0,75 / - 0,50\text{ mm}$ $+ 2,0 / - 1,5\text{ mm}$ $\delta + 0,5\% / - 0,3\%$	PASS
c) warpage, related to diagonal calculated from the work sizes. Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$\pm 0,75\text{ mm}$ $\pm 2,0\text{ mm}$ $\delta \pm 0,5\%$	PASS
Surface quality			
	EN ISO 10545-2	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.	PASS
B) PHYSICAL PROPERTIES			
Water absorption (in % by mass)			
	EN ISO 10545-3	$E_w > 10\%$. When the average exceeds 20%, this shall be indicated. Individual minimum value 9%)	PASS
Breaking strength, for:			
a) Thickness $\geq 7,5\text{ mm}$	EN ISO 10545-4	Not less than 600 N	>600 N
b) Thickness < 7,5 mm	EN ISO 10545-4	Not less than 200 N	>200 N
Flexural tensile strength or modulus of rupture			
a) Thickness $\geq 7,5\text{ mm}$	EN ISO 10545-4	Minimum 12 N/mm ²	PASS
b) Thickness < 7,5 mm	EN ISO 10545-4	Minimum 15 N/mm ²	PASS
Coefficient of linear thermal expansion			
from ambient temperature to 100°C	EN ISO 10545-8	Declared Value	$5.5-5.3 \cdot 10^{-6} / ^\circ\text{C}$
Thermal shock resistance			
Internal uses	EN ISO 10545-9	Pass according to EN ISO 10545-9	PASS NOT PASS
External uses			
Crazing resistance			
Glazed tiles	EN ISO 10545-11	Pass according to EN ISO 10545-11	PASS
Frost resistance			
Internal uses	EN ISO 10545-12	Pass according to EN ISO 10545-12	PASS NOT PASS
External uses			
Bond strength/adhesion, for:			
cementitious adhesives	EN 12004:2007 +A1: 2012, 4.1	Declared Value	Type C1 >0.5 N/mm ²
Reaction to fire			
		Class A1	A1
C) CHEMICAL PROPERTIES			
Resistencia a productos quimicos			
Resistance to household chemicals and swimming pool slats	EN ISO 10545-13	Minimum GB	GA
Resistance to staining, for:			
Glazed tiles	EN ISO 10545-14	Minimum 3	5

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