MARAZZI

2022000214 ver.2

TECHNICAL FEATURES	
Collection: Mystone pietra di vals	Brand: Marazzi
Size (cm): 10x10	Thickness (mm): 08

Compliant with standard EN 14411:2016 annex G group BIa - GL
Compliant with standard ISO 13006:2018 annex G group BIa - GL

Technical Features	Testing Method	Meas. unit	Average Typical Values	Established limits		
DIMENSIONAL PROPERTIES AND SURFACE QUALITY						
Dimensions				Nominal Length of edge N (cm) 7≤N<15	Nominal Length of edge N (cm) N≥15	
Length and width (*)	ISO 10545-2	(mm) (%)	Complies with the standards	±2% (max 5mm)	±2% (max 5mm)	±2% (max 5mm)
Length and width (**)						
Not Rectified			Complies with the standards	±0,9 mm	±0,6%	±2,0 mm
Rectified				± 0,4 mm	±0,3 %	±1,0 mm
Thickness						
Not Rectified			Complies with the standards	±0,5 mm	±5%	±0,5 mm
Rectified				±0,5 mm	±5%	±0,5 mm
Straightness of sides						
Not Rectified			Complies with the standards	±0,75 mm	±0,5 %	±1,5 mm
Rectified				±0,4 mm	±0,3 %	±0,8 mm
Rectangularity						
Not Rectified			Complies with the standards	±0,75 mm	±0,5%	±2,0 mm
Rectified				±0,4 mm	±0,3%	±1,5 mm
Surface Flatness c.c - e.c. - w.						
Not Rectified			Complies with the standards	±0,75 mm	±0,5%	±2,0 mm
Rectified				±0,6 mm	±0,4%	±1,8 mm
Surface Quality			Complies with the standards	≥95%		
Technical Features	**Standard Method**		**Average Declared Value**	**Requirements**		

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PHYSICAL PROPERTIES				
Water absorption	ISO 10545-3	(%)	<= 0,5	Eb ≤ 0,5 (Individual maximum value 0,6%)
Modulus of rupture	ISO 10545-4	(N/mm2)	>= 35	R ≥35 (Individual minimun value 32 N/mm2)
Breaking Strength	ISO 10545-4	(N)	>= 1300	≥1300 (Thickness ≥7,5 mm) ≥700 (Thickness < 7,5 mm)
Resistance to surface abrasion	Internal Method		Intended use - Class H	
Linear thermal expansion coefficient	ISO 10545-8	(x(10)-6/°C)	<=9	Declared value (EN 14411:2016) Test Method available (ISO 13006:2018)
Thermal shock resistance	ISO 10545-9		Complies with the standards	Declared value (EN 14411:2016) **** Test Method available (ISO 13006:2018)
Crazing Resistance	ISO 10545-11		Complies with the standards	Pass according to EN ISO 10545-1 (EN 14411:2016) Required (ISO 13006:2018)
Frost resistance	ISO 10545-12		Complies with the standards	Pass according to EN ISO 10545-1 (EN 14411:2016) Required (ISO 13006:2018)
Reaction to fire	-	-	A1 FL / A1	Class A1 or Class A1 FL (EN 14411:2016)
Color resistance to light exposure	DIN 51094		Complies with the standards	No sample must show noticeable colour modifications.

(1) Whichever is less.
(2) May not apply to textured surfaces or tiles with uneven back patterns.
(3) Whichever is less, for tiles up to 24” (610 mm) on any side

(4) Applies to tiles larger than 24” (610 mm) on any side
(5) Glazed tiles only.
(6) When installation subject to freeze/thaw conditions.
(7) For Level interior spaces expected to be walked upon when wet (see Section 6.2.2.1.10)
(8) Class V0 tile only

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CHEMICAL PROPERTIES				
Resistance to chemicals for household use and swimming pool salts	ISO 10545-13		A	GB Minimum (EN 14411:2016) GB Minimum (ISO 13006:2018)
Resistance to low concentrations of acids and alkalis	ISO 10545-13		LA-LB	Declared value (EN 14411:2016) Test Method available (ISO 13006:2018)
Resistance to high concentrations of acids and alkalis	ISO 10545-13		HA-HB	Declared value (EN 14411:2016) Test Method available (ISO 13006:2018)
Stain resistance	ISO 10545-14		Class 5	Minimum class 3 (EN 14411:2016) Minimum class 3 (ISO 13006:2018)
ANTISLIPPERY PROPERTIES				
Slipperiness Resistance: Ramp Method	DIN EN 16165 Annex B (ex DIN 51130); ASR A1.5		R10	from R9 to R13

* The work size shall be chose, for non-modular tiles, so that the difference between the work size and the nominal size is:
** The deviation, in percent, of the average size for each tile (2 or 4 sides) from the work size..
**** See Table 2 for uses where it is applicable
c.c. Centre curvature, related to diagonal calculated from the work sizes
e.c. Edge curvature, related to the corresponding work sizes.
w. Warpage, related to diagonal calculated from the work sizes.

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