

# MARAZZI GROUP

29 June 2023

Object: technical features series RARE STONE - 300X600 600X600 600X1200 MM 8,5 - GL (BIA)

Dear Customer,

As for your kind request, attached you can find technical features about series RARE STONE - 300X600 600X600 600X1200 MM 8,5 - GL (BIA), we have produced for you.

Best regards  
Quality Department  
Marazzi Group S.r.l. a socio unico



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Cap.Soc. Euro 102.232.000 Int.Vers. P.Iva e Cod. Intrastat IT 00611410374 C.F.E.N di Iscrizione Reg. Impr. de Mo 00611410374 R.E.A. Modena N. 49219 N. Meccanografico MO 041028 Società soggetta a discrezione e coordinamento di Mohawk Industries, Inc.

TECHNICAL FEATURES	
Collection: Rare stone	Brand: Home
Size (cm): 30x60 RT - 60x60 RT - 60x120 RT	Thickness (mm): 8,5

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

Technical Features	Testing Method	Meas. unit	Average Typical Values	Established limits
<b>DIMENSIONAL PROPERTIES AND SURFACE QUALITY</b>				
Dimensions				Nominal Length of edge N (cm) 7≤N<15 Nominal Length of edge N (cm) N≥15
<b>Length and width (*)</b>	ISO 10545-2	(mm) (%)	Complies with the standards	±2% (max 5mm) ±2% (max 5mm) ±2% (max 5mm)
<b>Length and width (**)</b>				
Not Rectified			Complies with the standards	±0,9 mm ±0,6% ±2,0 mm
Rectified			Complies with the standards	± 0,4 mm ±0,3 % ±1,0 mm
<b>Thickness</b>				
Not Rectified			Complies with the standards	±0,5 mm ±5% ±0,5 mm
Rectified			Complies with the standards	±0,5 mm ±5% ±0,5 mm
<b>Straightness of sides</b>				
Not Rectified			Complies with the standards	±0,75 mm ±0,5 % ±1,5 mm
Rectified			Complies with the standards	±0,4 mm ±0,3 % ±0,8 mm
<b>Rectangularity</b>				
Not Rectified			Complies with the standards	±0,75 mm ±0,5% ±2,0 mm
Rectified			Complies with the standards	±0,4 mm ±0,3% ±1,5 mm
<b>Surface Flatness c.c - e.c. - w.</b>				
Not Rectified			Complies with the standards	±0,75 mm ±0,5% ±2,0 mm
Rectified			Complies with the standards	±0,6 mm ±0,4% ±1,8 mm
<b>Surface Quality</b>			Complies with the standards	≥95%
<b>PHYSICAL PROPERTIES</b>				
Water absorption	ISO 10545-3	(%)	≤ 0,5	Eb ≤ 0,5 (Individual maximum value 0,6%)
Modulus of rupture	ISO 10545-4	(N/mm <sup>2</sup> )	≥ 35	R ≥35 (Individual minimum value 32 N/mm <sup>2</sup> )
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	-	-	Floor/Wall Class A1 FL / A1	Class A1 or Class A1 FL (EN 14411:2016)
Colour resistance to light exposure	DIN 51094		Complies with the standards	No sample must show noticeable colour modifications.

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Technical Features	Testing Method	Meas. unit	Average Typical Values	Established limits
<b>CHEMICAL PROPERTIES</b>				
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)
<b>ANTISLIPPERY PROPERTIES</b>				
Slipperiness Resistance: Ramp Method	DIN 51130 DGUV Regel 108-003		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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