



TECHNICAL FEATURES	
Collection: Greenwich Surface: Glossy	Brand: NASCO STONE + TILE
Size (in): 4" x 4"	Thickness (mm): 10

Compliant with standard EN 14411:2016 annex J group BIIa - GL

Compliant with standard ISO 13006:2018 annex J group BIIa - 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			Complies with the standards	±0,4 mm ±0,3% ±1,0 mm
Thickness				
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
Straightness of sides				
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
Rectangularity				
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
Surface Flatness c.c - e.c. - w.				
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
Surface Quality			Complies with the standards	≥95%
PHYSICAL PROPERTIES				
Water absorption	ISO 10545-3	(%)	3 < Eb ≤ 6	3<Eb≤6 (Individual maximum value 6,5%)
Modulus of rupture	ISO 10545-4	(N/mm2)	≥ 22	R ≥22 (Individual minimum value 20 N/mm2)
Breaking Strength	ISO 10545-4	(N)	≥ 1000	≥1000 (Thickness ≥7,5 mm) ≥600 (Thickness < 7,5 mm)
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)
Reaction to fire	-	-	Class 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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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)

- * 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.