

## Radical Stone Collection

### Technical features

Product type: Porcelain stoneware (UGL)

According to: ISO 13006-G (Group Bla), EN 14411-G (Group Bla)

Technical features		Test method	Required values ISO 13006-G, EN 14411-G	Average values GEOS
Water absorption		ISO 10545-3	≤ 0,5 %	0,05 %
Breaking strength (S)		ISO 10545-4	≥ 1300 N	Thick. 9mm: 1800 N Thick. 20mm: 13600 N
Modulus of rupture		ISO 10545-4	≥ 35 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
Deep abrasion resistance		ISO 10545-6	≤ 175mm <sup>3</sup>	145mm <sup>3</sup>
Linear thermal expansion		ISO 10545-8	No provision	$\alpha \leq 7 \cdot 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Stain resistance		ISO 10545-14	Class 3 Min.	5 RESISTENTE ≥ 3 (Chalk LAPPATA)
Chemical resistance (*)		ISO 10545-13	As indicated by manufacturer	LA, HA RESISTANT
Frost resistance		ISO 10545-12	No alteration	RESISTANT
Dimensions	Lenght and width	ISO 10545-2	± 0,3 %, max ± 1 mm	COMPLIANT
	Straightness of sides	ISO 10545-2	± 0,3 %, max ± 0,8 mm	COMPLIANT
	Rectangularity	ISO 10545-2	± 0,3 %, max ± 1,5 mm	COMPLIANT
	Warpage	ISO 10545-2	± 0,4 %, max ± 1,8 mm	COMPLIANT
	Thickness	ISO 10545-2	± 5 %, max ± 0,5mm	COMPLIANT
Slip resistance	DIN EN 16165 – Annex B	-	-	R10 (NATURAL) R11 (GRIP/ SLATY)
	DIN EN 16165 - Annex A	-	-	A+B (NATURAL) A+B+C (GRIP, SLATY)
	BCR-TORTUS	-	-	$\mu > 0,40$ (NATURAL, GRIP, SLATY)
	ANSI A326.3	-	-	ID - DCOF ≥ 0,42 (dry) (HONED/NATURAL) IW - DCOF ≥ 0,42 (wet) (NATURAL) IW+ (NATURAL) EW (GRIP/SLATY)
	BS 7976-2	-	-	PTV 36+ wet Sl. 96 (NATURAL) PTV 36+ wet Sl. 55 – sl 96 (GRIP, SLATY)
	AS-NZS 4586	-	-	P3 (NATURAL) P4 (GRIP, SLATY)
Shade variation		ANSI A 137.1	As indicated by manufacturer	V3
Fire Reaction		EN 13823	CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1	Class A1 (wall)
		EN 9239-1		Class A1 <sub>fl</sub> (floor)
Thermal conductivity		EN 12524	-	$\lambda = 1,3 \text{ W/m } ^\circ\text{K}$
Recommended minimum joint (**)		Indoor	-	2mm (RTT)
		Outdoor	-	5-6mm approx.

(\*) Excluding hydrofluoric acid and its derivatives.

(\*\*) The width of grout joints must be established by the installation supervisor, unless grout widths are regulated by national laying standards.

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by the manufacturer and are subject to change.

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