



CIPA GRES SPA

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TECHNICAL PROPERTIES "HI-TECH 30x30 8,4 mm R10" PORCELAIN TILES

ISO 13006 EN 14411 annex G Group Bla UGL



ISO 14025 e EN 15804

SURFACES DIMENSION AND QUALITIES	STANDARDS	RESULT "CIPA GRES SpA"
Sides W 300 mm x 300 mm Thickness 8,4 mm	UNI EN ISO 10545-2	+/- 0,1% +/-1,5%
Surface qualities: percentage of acceptable tiles per lot	UNI EN ISO 10545-2	> 95%
Straightness of sides	UNI EN ISO 10545-2	+/- 0,0%
Rectangularity	UNI EN ISO 10545-2	+/- 0,1%
Surface flatness: centre curvature	UNI EN ISO 10545-2	+/- 0,2%
Surface flatness: edge curvature	UNI EN ISO 10545-2	+/- 0,1%
Surface flatness: warpage	UNI EN ISO 10545-2	+/- 0,2%
PHYSICAL PROPERTIES		
Water mass absorbed in %	UNI EN ISO 10545-3	≈ 0,05%
Average breaking load (N)	UNI EN ISO 10545-4	1989
Average modulus of rupture (N/mm ²)	UNI EN ISO 10545-4	51,0
Average breaking strength (N)	UNI EN ISO 10545-4	1857
Impact resistance	UNI EN ISO 10545-5	Compliant
Abrasion volume (mm ³)	UNI EN ISO 10545-6	152
Thermal expansion coefficient	UNI EN ISO 10545-8	6,2 MK
Thermal shock resistance (nr of damaged tiles)	UNI EN ISO 10545-9	ZERO
Frost resistance	UNI EN ISO 10545-12	ZERO
Slip resistance	DIN EN 16165:2021 Annex B	R10
Slip resistance barefoot	DIN EN 16165:2021 Annex A	B
Resistance of the colors in the light	DIN 51094	Guaranteed
CHEMICAL PROPERTIES		
Resistance to chemical products (nr of damaged tiles)	UNI EN ISO 10545-13	ZERO
Stain resistance	UNI EN ISO 10545-14	Class 5

Casalgrande, lì 10/01/2023

Cipa Gres S.p.A.