






TEMPER



FEATURES

CER1F3 – TECHNICAL CHARACTERISTICS GLAZED PORCELAIN STONEWARE WITH COLOURED BODY

	PROPERTY PHYSICAL - CHEMICAL	TEST METHOD	AVERAGE VALUE
	Surface appearance	ISO 10545 - 2	Compliant
	Length and width	ISO 10545 - 2	$\pm 0,5\% \pm 2 \text{ mm}$
	Straightness of sides	ISO 10545 - 2	$\pm 0,3\% \pm 1,5 \text{ mm}$
	Thickness	ISO 10545 - 2	$\pm 5\% \text{ max } \pm 0,5 \text{ mm}$
	Rectangularity	ISO 10545 - 2	$\pm 0,3\% \pm 1,5 \text{ mm}$
	Water absorption	ISO 10545 - 3	$E < 0,1\%$
	Scratch hardness (MOHS scale)	EN 101	MOHS ≥ 6
	Modulus of rupture	ISO 10545 - 4	$R \geq 35 \text{ N/mm}^2$
	Breaking strength	ISO 10545 - 4	$S \geq 1300 \text{ N}$



Resistance to surface abrasion of glazed
tiles

ISO 10545 - 7

Argent/Frost/Golden:

Class 4

Coal/Iron/Rust: Class 3



Linear thermal expansion coefficient

ISO 10545 - 8

Method available



Thermal shock resistance

ISO 10545 - 9

Resistant



Frost resistance

ISO 10545 - 12

Frost proof



Resistance to chemical attack (except
hydrofluoric acid)

ISO 10545 - 13

Class A-HA-LA



Resistance to stains of glazed tiles

ISO 10545 - 14

Class 5



Skid resistance. Average coefficient of
friction (R10)

B.C.R.A. REP. CEC. 6/81 (no lapp)

$\mu \geq 0,40$

DIN 51130 (no lapp)

R 10 - R11

DIN 51097 (no lapp)

R10: Class B | R11: Class

DCOF Acu Test (no lapp)

C

$\mu \geq 0,42$

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