

TECHNICAL FEATURES

COLOURED-BODY GLAZED STONEWARE according to ANSI A137.1 (Glazed Porcelain Tiles - P1 Class)

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
WATER ABSORPTION	ASTM C373	≤ 0,5%	CONFORMS
BREAKING STRENGTH	ASTM C648	≥ 250 lbf ≥ 2500 lbf	≥ 450 lbf 9 mm ≥ 2,800 lbf 20 mm
SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 3 9 mm PEI 5 20 mm
LINEAR THERMAL EXPANSION	ASTM C372	Not Required	$\alpha \leq 4,4 \times 10^{-6} \text{ }^\circ\text{F}^{-1}$
STAIN RESISTANCE	ASTM C1378	As indicated by manufacturer	AS REPORTED
CHEMICAL RESISTANCE^(*)	ASTM C650	As indicated by manufacturer	AS REPORTED
FROST RESISTANCE	ASTM C1026	No sample must show visible signs.	CONFORMS
BOND STRENGTH	ASTM C482	≥ 50 PSI	CONFORMS
SLIP RESISTANCE	DIN51097	-	R11 20 mm Anti-Slip
	ANSI A326.3	Porcelain A326.3	IW+ 9 mm Soft - Leather EW 20 mm Anti-Slip
SHADE VARIATION	ANSI A137.1	V2	V2 Slight Variation
FLAME SPREAD	ASTM E84	-	Class A
THERMAL CONDUCTIVITY	EN 12524	-	$\lambda = 1,3 \text{ W/m } ^\circ\text{K} / 0,7 \text{ BTU/ft h } ^\circ\text{F}$
RECOMMENDED MINIMUM JOINT^(**)	RECT (INDOOR)	-	1/8" - 3.2 mm approx.
	OUTDOOR	-	3/16" - 4.7 mm approx.
THICKNESS	SIZES		
	12"x24" Rect - 30x60 cm	-	9 mm
	24"x48" Rect - 60x120 cm	-	9 mm
	36"x36" Rect - 90x90 cm	-	9 mm
24"x24" Rect - 60x60cm	-	20 mm	

(*) Excluding hydrofluoric acid and its derivatives.

(**) Grout Joint Recommendations. Per TCNA Handbook, the minimum required joint width for ceramic tile and natural stone is 1/16". Setting ceramic or stone without a grout joint of a least 1/16", often referred to as a butt joint, does not provide sufficient accommodation for dynamic building movement, differential thermal expansion, or allowable variation in fabrication or manufacturing.

PACKINGS AND WEIGHTS

SIZES	SF / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
36"x36" Rect Soft	17.40	2	30	522.00	78.20	2,346
24"x48" Rect Soft - Leather	15.39	2	40	615.70	64.98	2,649
12"x24" Rect Soft	15.62	8	32	499.84	58.20	1,912
24"x24" Rect 20 mm Anti-Slip	7.79	2	36	280.44	69.00	2,534
BASKETWEAVE 12"x12" Rect Soft	4.84	5	90	435.60	19.40	1,796
CHEVRON 4"x21" Rect Soft	4.42	8	64	282.88	20.31	1,350
BULLNOSE 4"x24" Rect Soft	9.82	16	60	589.00	39.46	2,418