

## TECHNICAL FEATURES

Coloured-body glazed stoneware \_ According to ANSI A 137.1 (Glazed Porcelain Tiles - P1 Class)

TECHNICAL FEATURES	TEST METHOD ASTM	REQUIRED VALUES ANSI A 137.1	SERIES VALUES
WATER ABSORPTION	ASTM C373	≤ 0.5%	CONFORMS
BREAKING STRENGTH	ASTM C648	≥ 250 lbf	425 lbf
RESISTANCE TO SURFACE ABRASION	ASTM C1027	AS INDICATED BY MANUFACTURER	5: COTTON - YARN - ROPE - WOOL 4: QUILT
LINEAR THERMAL EXPANSION	ASTM C372	NO PROVISION	$\alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ $\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1}$
STAIN RESISTANCE	ASTM C1378	AS INDICATED BY MANUFACTURER	A RESISTANT
CHEMICAL RESISTANCE	ASTM C650	AS INDICATED BY MANUFACTURER	A RESISTANT(*)
FROST RESISTANCE	ASTM C1026	AS INDICATED BY MANUFACTURER	RESISTANT
BOND STRENGTH	ASTM C482	≥ 50 PSI	CONFORMS
SLIP RESISTANCE	ANSI A 137.1 BOT 3000	DCOF ≥ 0.42	≥ 0.42
SHADE VARIATION	ANSI A 137.1	AS INDICATED BY MANUFACTURER	V2 SLIGHT VARIATION
MINIMUM JOINT	RECT	-	2 MM
THICKNESS	SIZES 24" X24" - 60X60 CM 12" X24" - 30X60 CM 8" X24" - 20X60 CM	-	9 MM

(\*) No Hydrofluoric acid and its derivatives

## PACKINGS AND WEIGHTS

SIZES	SF / CTN	LINEAR FT / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
24" x24" RECT	15.61	-	4	32	499.43	71.65	2,292.8
12" x24" RECT	13.67	-	7	32	437.43	62.83	2,010.56
8" x24" RECT	11.95	-	9	-	-	53.57	-
MOSAIC BASKET WEAVE 12" x12" RECT	4.84	-	5	-	-	20.67	-
HERRINGBONE MODULUS A-B 10" x24" RECT	5.54	-	6	-	-	7.72	-
BULLNOSE 3 <sup>1</sup> / <sub>8</sub> " x12" RECT	5.17	19.7	20	-	-	22.05	-

CERTIFICATIONS



Nasco Stone & Tile is a member of the U.S. Green Building Council: this is an organisation that promotes buildings that are environmentally responsible, profitable and healthy places to live and work.

*Product designed in Italy*

**100% REUSE OF UNFIRED TILES**  
Crude waste generated by the process is reintegrated in the production cycle with no costs for the environment. This contributes to the safeguard of natural resources.

**LOW EMISSIONS IN THE ATMOSPHERE**  
Nasco production plant strictly complies to US Standards with a very small amount of gas emissions in the atmosphere.

**100% REUSE/RECYCLING OF THE INDUSTRIAL WASTE - FIRED TILES**  
The waste-fired tiles are fully reused in the production cycle. In addition, at the end of life, the Nasco tiles can be recycled as materials for substrates for roads and buildings, thus reducing the use of gravel and natural aggregates commonly used in building.

**SAFETY REQUIREMENTS: NO FIRE REACTION**  
All of Nasco Stone & Tile Products Class A building materials as described in ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials. This is due to the flame spread rating of (0) and smoke developed rating of (0) falling within the ranges of a Class A material. Other building codes refer to this as a Type I material in accordance with NFPA 255.

**100% WATER RECYCLING**  
The water used in the production process is 100% recycled. The water demand is strongly reduced by this mean. No industrial water is discharged in the ecosystem.

**SAFETY REQUIREMENTS: DCOF ≥ 0.42**  
Nasco TRUE series has got a Dynamic Coefficient Of Friction ≥ 0.42, as requested by ANSI A 137.1 "For level interior spaces expected to be walked upon when wet".

**PANARIA PACKING MATERIAL IS 100% RECYCLABLE**  
(carton boxes, plastic packaging materials, wooden pallets, straps, etc.).

**METHANE CONSUMPTION IS HIGHLY REDUCED**  
By the use of up to date technologies and customized installations.

**100% OF NON CERAMIC WASTE**  
Is differentiated and recycled in other production cycles.

