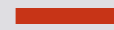


True

Genuine emotions, natural charm

Panaria
ceramica

**The beauty
of feeling
at home**





Unique sensations full of real emotion

Surround yourself everyday with something really unique,
with the pleasure of discovering authentic values
that accompany our life.



WARM WHITE



LIGHT BEIGE



MILD GREY



SOFT BLACK



**Uniqueness
carefully explores
the powerful
expression
of stone**

Naturally beautiful, technically perfect

True is the most advanced evolution of ceramic stone.
True to the original, in the richness of the tones, and surprisingly superior
thanks to high technical standards in terms of resistance and durability.



The space expands towards infinity that belongs only to those that recognize the shapes of true beauty







Soft Black Natural 12"x24" - 30x60.4 cm
Mosaic Soft Black Natural 12"x12" - 30x30 cm

The intimate spaces are clad with a natural touch in the deep colors of the surfaces that create an atmosphere of freshness and well-being











In the strength of stone every emotion is amplified and reinforced, with the certainty that only nature can give us new energy to design with personality our spaces





True

COLOURED-BODY GLAZED STONEWARE

INTENDED USE: NATURAL    ANTI-SLIP / STRUCTURED ANTI-SLIP 

WARM WHITE



± 9 mm

12"x24" - 30x60.4 cm
NATURAL
ANTI-SLIP
Anti-Slip surface special order only

LIGHT BEIGE



± 9 mm

12"x24" - 30x60.4 cm
NATURAL
ANTI-SLIP
Anti-Slip surface special order only

True

COLOURED-BODY GLAZED STONEWARE

INTENDED USE: NATURAL    ANTI-SLIP / STRUCTURED ANTI-SLIP 

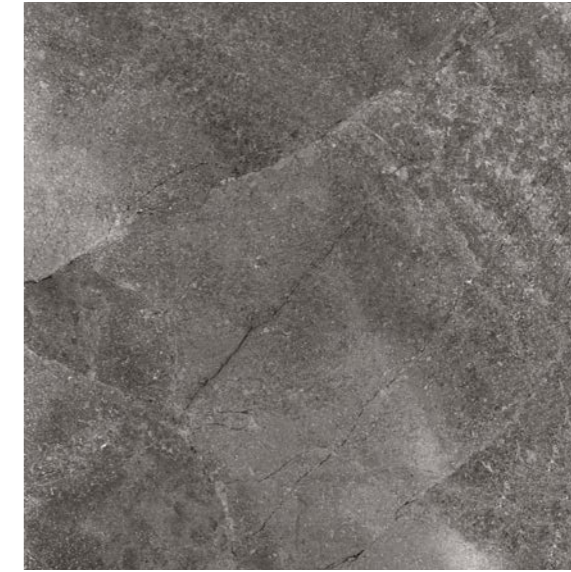
MILD GREY



± 9 mm

12"x24" - 30x60.4 cm
NATURAL
ANTI-SLIP
Anti-Slip surface special order only

SOFT BLACK



± 9 mm

12"x24" - 30x60.4 cm
NATURAL
ANTI-SLIP
Anti-Slip surface special order only



± 20 mm

24"x24" - 60.7x60.7 cm
STRUCTURED ANTI-SLIP

20 mm



± 20 mm

24"x24" - 60.7x60.7 cm
STRUCTURED ANTI-SLIP

20 mm



± 20 mm

24"x24" - 60.7x60.7 cm
STRUCTURED ANTI-SLIP

20 mm

True

COLOURED-BODY GLAZED STONEWARE

DECOS



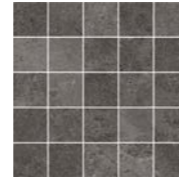
MOSAIC 25 pcs
WARM WHITE
12"x12" - 30x30 cm
NATURAL
± 9 mm



MOSAIC 25 pcs
LIGHT BEIGE
12"x12" - 30x30 cm
NATURAL
± 9 mm



MOSAIC 25 pcs
MILD GREY
12"x12" - 30x30 cm
NATURAL
± 9 mm



MOSAIC 25 pcs
SOFT BLACK
12"x12" - 30x30 cm
NATURAL
± 9 mm

TRIM PIECES



BULLNOSE
3^{1/8}"x12" - 8x30 cm
NATURAL
± 9 mm

All colors available

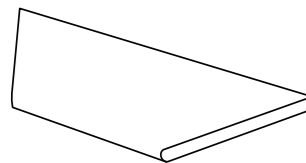


COVE BASE
6"x12" - 15x30 cm
NATURAL
± 9 mm

Special order only

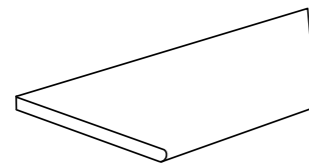
20 mm

TRIM PIECES



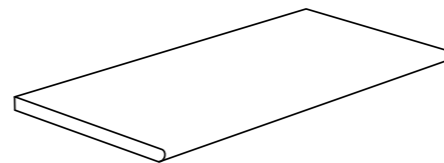
POOL COPING 45 ANGLE R
ROUNDED EDGE
12"x24" Rect - 30x60 cm
STRUCTURED ANTI-SLIP
± 20 mm

Colors available:
Warm White - Light Beige - Mild Grey



POOL COPING 45 ANGLE L
ROUNDED EDGE
12"x24" Rect - 30x60 cm
STRUCTURED ANTI-SLIP
± 20 mm

Colors available:
Warm White - Light Beige - Mild Grey



POOL COPING ROUNDED EDGE
12"x24" Rect - 30x60 cm
STRUCTURED ANTI-SLIP
± 20 mm

Colors available:
Warm White - Light Beige - Mild Grey

TRIM PIECES 20 mm: only full boxes sold, manufactured only upon special request, 30 days delivery

True

COLOURED-BODY GLAZED STONEWARE

TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	TRUE AVERAGE VALUES
WATER ABSORPTION	ASTM C373	≤ 0,5%	CONFORMS
BREAKING STRENGTH	ASTM C648	≥ 250 lbf	350 lbf 9 mm 2,800 lbf 20 mm
PEI	ASTM C1027	As indicated by manufacturer	PEI 5: WARM WHITE, LIGHT BEIGE, MILD GREY PEI 4: SOFT BLACK
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	DIN EN 16165 - Annex B	-	R11 Anti-Slip**** - Structured 20 mm Anti-Slip
	DIN EN 16165 - Annex A	-	C (A+B+C) Anti-Slip**** - Structured 20 mm Anti-Slip
	ANSI A326.3	-	ID - DCOF ≥ 0.42 (dry) Natural IW - DCOF ≥ 0.42 (wet) Natural IW+ Natural*** - Anti-Slip**** EW Anti-Slip**** - Structured 20 mm Anti-Slip
SHADE VARIATION	ANSI A137.1	As indicated by manufacturer	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^(**)	NOT RECT (INDOOR)	-	3/16" - 4.7 mm approx
	OUTDOOR	-	3/16" - 4.7 mm approx.
THICKNESS	SIZES		
	12"x24" - 30x60.4 cm	-	9 mm
	24"x24" - 60.7x60.7 cm	-	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.

(***) With the exception of areas characterized by a higher risk of slipping (such as public showers, indoor swimming pools, locker rooms and steam rooms) for which an Anti-Slip surface is recommended.

(****) Anti-Slip surface special order only.

PACKINGS AND WEIGHTS

SIZES	SF / CTN	LINEAR FT / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
12"x24" Natural / Anti-Slip	15.82	-	8	32	506.24	66.58	2,130.56
MOSAIC 25 pcs 12"x12" Natural	3.87	-	4	90	348.3	16.53	1,487.7
BULLNOSE 3 ^{1/8} "x12" Natural	5.17	19.68	20	112	579.04	22.05	2,469.6
COVE BASE 6"x12" Natural	3.87	-	8	108	417.96	16.53	1,785.24
24"x24" 20 mm Structured Anti-Slip	8.03	-	2	32	256.96	73.85	2,363.2
POOL COPING 12"x24" Rect 20 mm Structured Anti-Slip	1.94	-	1	100	194	17.91	1,791
POOL COPING 45 ANGLE L / R 12"x24" Rect 20 mm Structured Anti-Slip	1.45	-	1	100	145	13.45	1,345

True

COLOURED-BODY GLAZED STONEWARE

INTENDED USE

KEY



RESIDENTIAL

Kitchens, bathrooms, living rooms and other residential environments.



LIGHT COMMERCIAL

Offices, offices open to the general public, waiting rooms, shops, public bathrooms, common apartment block areas, restaurant dining rooms, car showrooms, bars, cinemas, surgeries/clinics, hotel rooms and bathrooms.



INTENSIVE COMMERCIAL

Common areas of shopping centres, hotel foyers, canteens, fast food restaurants, dance clubs, hospitals, schools, museums, places of worship, airports, stations.



OUTDOOR

Mainly for external areas that require flooring with anti-slip characteristics.

CERTIFICATIONS



PANARIA CERAMICA 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. LEED card TRUE series is available on request.



GREENGUARD CERTIFICATION
TRUE series is made in a production plan "GOLD" certified by GREENGUARD.



Certified by



Certified by UL Environment



ENVIRONMENTAL PRODUCT DECLARATION
This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

Product designed in Italy

PANARIA AND THE ENVIRONMENT



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

Panaria 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 tiles Panaria 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 Panaria's ceramic tile products are 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 recycled. The water demand is strongly reduced by this mean.



PANARIA PACKING MATERIAL IS 100% RECYCLABLE

Carton boxes, plastic packaging materials, wooden pallets, straps, etc.



100% OF NON CERAMIC WASTE

Is differentiated and recycled in other production cycles.



METHANE CONSUMPTION IS HIGHLY REDUCED

By the use of up to date technologies and customized installations.



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Group Marketing & Communications - Panariagroup
April 2023

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