







# The noble tradition of marble

Three of the most elegant and precious marbles in the world: ARABESQUE, ICE and STATUE.

The noble tradition of marble and the refined italian "Art of Living" merged together to give an outstanding performance to a superior quality porcelain stoneware.

# Indoor NATURAL

## **SIZES**

24"x24"\_60.4x60.4 cm 12"x24"\_30x60.4 cm 4"x12" Rect\_10x30 cm

# Outdoor ANTI-SLIP

special order only

#### SIZES

24"x24"\_60.4x60.4 cm 12"x24"\_30x60.4 cm



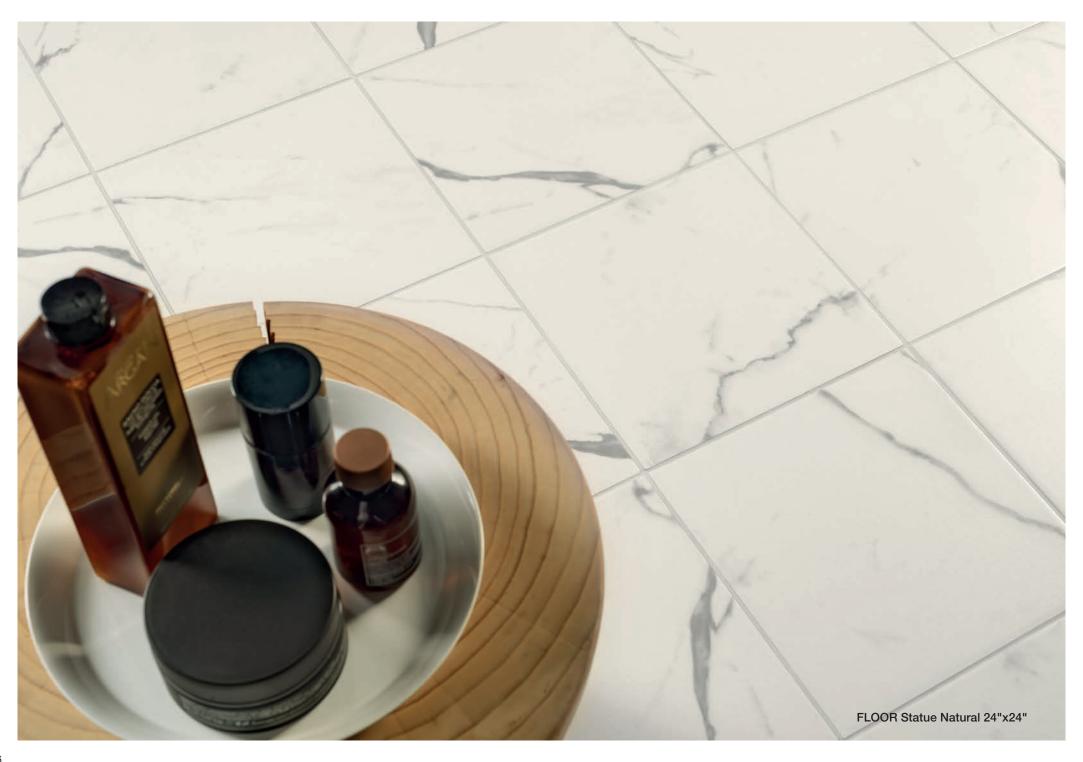






FLOOR Statue Natural 24"x24" WALL Statue Natural 12"x24"









## **COLOURED-BODY GLAZED STONEWARE**

INTENDED USE: NATURAL 🖆 📥 ANTI-SLIP







## **STATUE**



24"x24" - 60.4x60.4 cm NATURAL ANTI-SLIP - Special order only ₹ 9 mm



12"x24" - 30x60.4 cm NATURAL ANTI-SLIP - Special order only ₹ 9 mm



4"x12" Rect - 10x30 cm NATURAL ₹ 9 mm

# **DECOS**



MOSAIC 12"x12" - 30x30 cm NATURAL ₹ 9 mm

# **TRIM PIECES**



**BULLNOSE** 31/8"x12" - 8x30 cm NATURAL ₹ 9 mm



COVE BASE 6"x12" -15x30 cm NATURAL ₹ 9 mm Special order only



FLOOR Arabesque Natural 24"x24"
WALL Arabesque Natural 4"x12"\_Mosaic Arabesque Natural 12"x12"









## **COLOURED-BODY GLAZED STONEWARE**

INTENDED USE: NATURAL 🖆 📥 ANTI-SLIP





## ARABESQUE



24"x24" - 60.4x60.4 cm NATURAL ANTI-SLIP - Special order only ₹ 9 mm



12"x24" - 30x60.4 cm NATURAL ANTI-SLIP - Special order only ₹ 9 mm



4"x12" Rect - 10x30 cm NATURAL ₹ 9 mm

# **DECOS**



MOSAIC 12"x12" - 30x30 cm NATURAL ₹ 9 mm

## **TRIM PIECES**

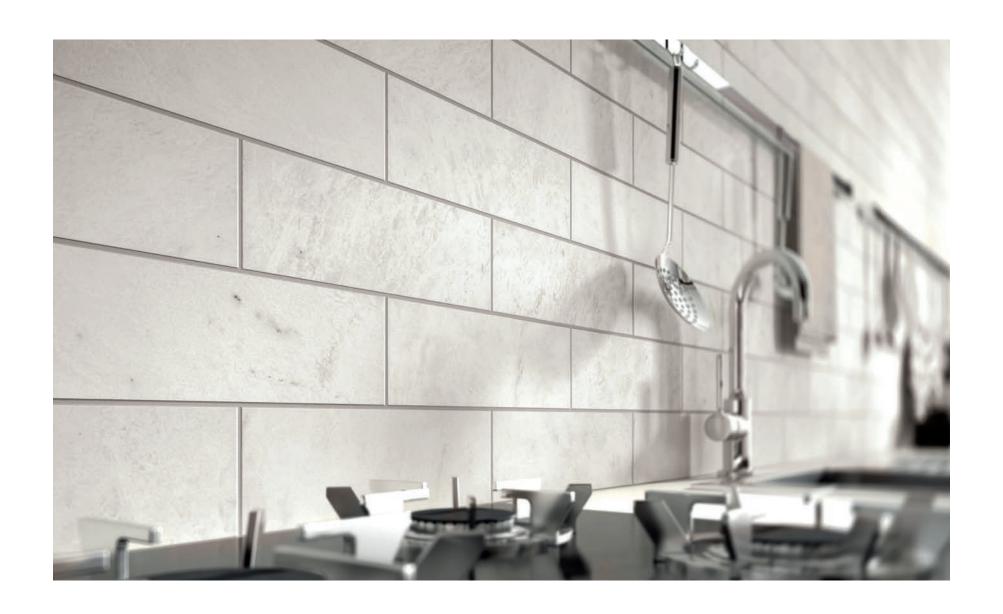


**BULLNOSE** 31/8"x12" - 8x30 cm NATURAL ₹9 mm



COVE BASE 6"x12" -15x30 cm NATURAL 🛨 9 mm Special order only





FLOOR Ice Natural 12"x24"
WALL Ice Natural 4"x12"





FLOOR Ice Natural 24"x24"





## **COLOURED-BODY GLAZED STONEWARE**

INTENDED USE: NATURAL 🏦 🖆 ANTI-SLIP





## **ICE**



24"x24" - 60.4x60.4 cm NATURAL ANTI-SLIP - Special order only ₹ 9 mm



12"x24" - 30x60.4 cm NATURAL ANTI-SLIP - Special order only ₹ 9 mm



4"x12" Rect - 10x30 cm NATURAL ₹ 9 mm

# **DECOS**



MOSAIC 12"x12" - 30x30 cm NATURAL ₹ 9 mm

## **TRIM PIECES**



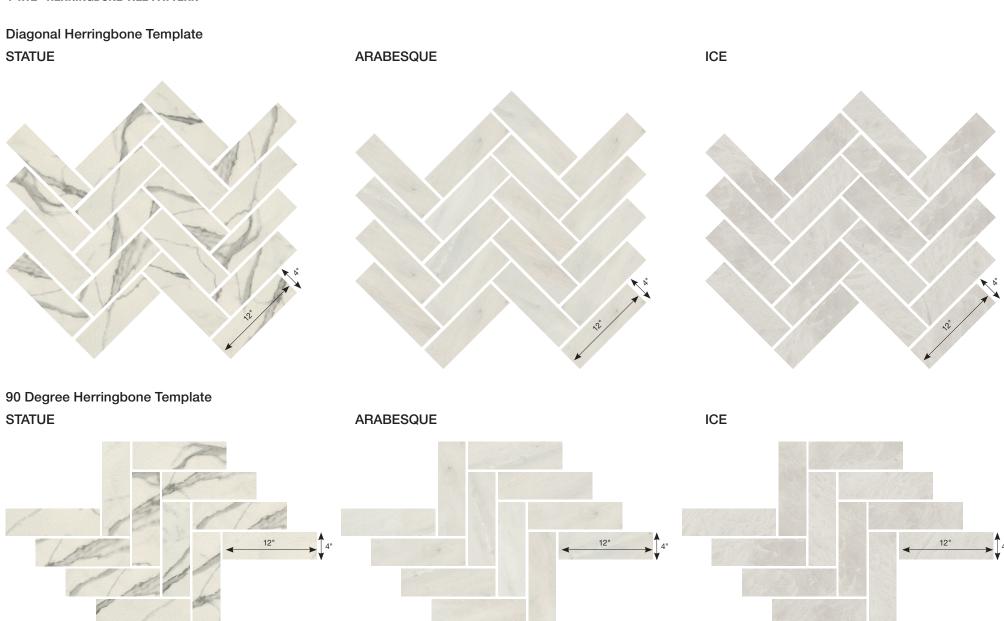
**BULLNOSE** 31/8"x12" - 8x30 cm NATURAL ₹9 mm



COVE BASE 6"x12" -15x30 cm NATURAL 🛨 9 mm Special order only

## **COLOURED-BODY GLAZED STONEWARE**

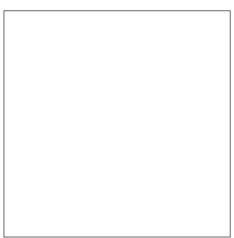
# **4"x12" HERRINGBONE TILE PATTERN**



## **COLOURED-BODY GLAZED STONEWARE**

INTENDED USE: NATURAL 🛍 📥 ANTI-SLIP

## **SIZES**



24"x24" - 60.4x60.4 cm NATURAL ANTI-SLIP - Special order only ★ 9 mm



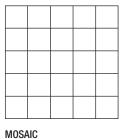
4"x12" Rect - 10x30 cm NATURAL

₹9 mm

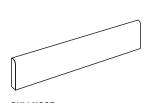


12"x24" - 30x60.4 cm
NATURAL
ANTI-SLIP - Special order only
\$\frac{\pi}{2}\$ 9 mm

## **DECOS**

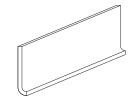


12"x12" - 30x30 cm NATURAL ★ 9 mm TRIM PIECES



**BULLNOSE**3¹/8"**x12"** - 8x30 cm
NATURAL

★ 9 mm



COVE BASE
6"x12" -15x30 cm
NATURAL

→ 9 mm
Special order only

#### **PACKINGS AND WEIGHTS**

SIZES	SF / CTN	LINEAR FT / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
<b>24"x24"</b> - 60.4x60.4 cm Natural / Anti-Slip	15.82	-	4	36	569.52	71.65	2,579.4
<b>12"x24"</b> - 30x60.4 cm Natural / Anti-Slip	15.82	-	8	32	506.24	66.58	2,130.56
<b>4"x12" Rect</b> - 10x30 cm Natural	6.12	-	20	80	489.28	29.76	2,380.8
MOSAIC 25 PCS 12"x12" - 30x30 cm Natural	3.87	-	4	90	348.30	16.53	1,487.7
COVE BASE 6"x12" - 15x30 cm Natural	3.87	-	8	108	417.96	16.53	1,785.24
<b>BULLNOSE 3<sup>1/8</sup>"x12"</b> - 8x30 cm Natural	5.17	19.68	20	112	579.04	19.84	2,222.1

#### **COLOURED-BODY GLAZED STONEWARE**

## **TECHNICAL FEATURES**

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

TECHNIC	CAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
<del>;;;;</del>	WATER ABSORPTION	ASTM C373	≤ 0,5%	CONFORMS
<u> </u>	BREAKING STRENGTH	ASTM C648	≥ 250 lbf	<b>350 lbf</b> 9 mm
PEI	SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 5
	LINEAR THERMAL EXPANSION	ASTM C372	No provision	$\alpha \le 4.4 \times 10^{-6}  ^{\circ}\text{F}^{-1}$ $\alpha \le 8 \times 10^{-6}  ^{\circ}\text{C}^{-1}$
*	STAIN RESISTANCE	ASTM C1378	As indicated by manufacturer	A RESISTANT
<u></u>	CHEMICAL RESISTANCE <sup>(1)</sup>	ASTM C650	As indicated by manufacturer	A RESISTANT
**	FROST RESISTANCE	ASTM C1026	As indicated by manufacturer	RESISTANT
	BOND STRENGHT	ASTM C482	≥ 50 PSI	CONFORMS
	SLIP RESISTANCE	DIN EN 16165 - Annex B	-	R11 Anti-Slip***
		DIN EN 16165 - Annex A		C (A+B+C) Anti-Slip***
		ANSI A326.3	-	ID - DCOF ≥ 0.42 (dry) Natural IW - DCOF ≥ 0.42 (wet) Natural IW+ Anti-Slip*** EW Anti-Slip***
	SHADE VARIATION	ANSI A137.1	As indicated by manufacturer	V2 Slight variation
<b>(4)</b>	FLAME SPREAD	ASTM E84	-	Class A
#	THERMAL CONDUCTIVITY	EN 12524	-	$\lambda = 1.3$ W/m °K / 0.7 BTU/ft h °F
	RECOMMENDED MINIMUM JOINT(")	NOT RECT (INDOOR)	-	<b>3/16"</b> - 4.7 mm approx.
+		OUTDOOR	-	<b>3/16"</b> - 4.7 mm approx.
	THICKNESS	SIZES		
		24"x24" - 60.4x60.4 cm	-	9 mm
		12"x24" - 30x60.4 cm	-	
		4"x12" Rect - 10x30 cm	-	

<sup>(\*)</sup> Excluding hydrofluoric acid and its derivatives.

<sup>(\*\*)</sup> Grout Joint Recommendations. Per TCNA Handbook, the minimum required joint width for ceramic tile and natural stone is 1/16<sup>th</sup>".

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.

<sup>(\*\*\*)</sup> Anti-Slip surface special order only.

#### COLOURED-BODY GLAZED STONEWARE

#### **INTENDED USE**

**KEY** 



RESIDENTIAL



LIGHT COMMERCIAL





#### 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.

#### PANARIA AND THE ENVIRONMENT



#### 100% REUSE OF UNFIRED TILES

Kitchens, bathrooms, living rooms and other residential environments.

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.



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.

#### PANARIA PACKING MATERIAL IS 100% RECYCLABLE

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



#### **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% 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.



#### 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.



#### 100% WATER RECYCLING

The water used in the production process is recycled. The water demand is strongly reduced by this mean.



#### LOW EMISSIONS IN THE ATMOSPHERE

Panaria production plant strictly complies to US Standards with a very small amount of gas emissions in the atmosphere.





#### 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 SUITE series is available on request.

































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