



Flow

Timeless beauty

Panaria
ceramica



**The beauty
of feeling
at home**





The strength of simplicity flows freely, in a rush of emotions

I love to contemplate beauty, to let myself get wrapped up in the sensations of warmth and harmony that it stimulates.



ICE

NATURAL



IVORY



GREY

DESERT



A modern space, to be lived in harmony, joy and warmth

5 colors and 2 practical decorations that create daily spaces in harmony with one's own lifestyle, filling them with creative and tasteful accents.

Natural veining comes together in a single direction: that of style

An Italian stone with enduring allure animates the heart of this functional and high-performance porcelain stoneware, capable of cloaking interiors in a timeless, yet entirely modern, elegance. Its beauty resides in the surface, criss-crossed by infinite tone-on-tone shades that turn each piece into a unique material.





Grey 12"x24" - 30x60.4 cm
Muretto Grey 12"x28" - 30x71 cm









The color balance envelops the spaces and creates a peaceful and comfortable ambience, the perfect setting in which to spend time, both intense and incredibly natural











ALMBEACH HOTEL

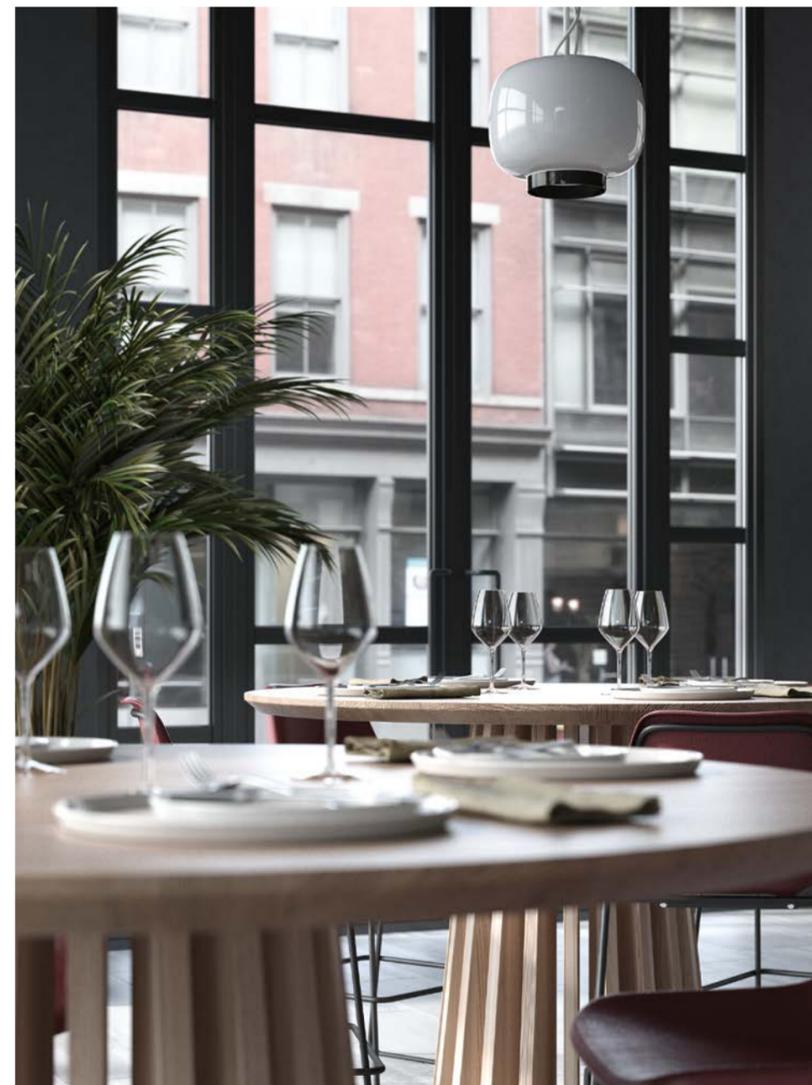








Through exclusive movements of color, Flow conveys its beauty, accompanying the gestures and daily lives of the people who live with it





P R () T E C T[®]

To live **healthily, safe and secure**

Antimicrobial floor and wall coverings with the highest performance

-  **POWERFUL ACTION**
eliminates microbes and prevents their reproduction
-  **CONTINUOUS PROTECTION**
always active, 24 hours a day, with and without sunlight
-  **ETERNAL EFFECTIVENESS**
thanks to the technology permanently integrated into the product

with **MICROBAN[®]**

protect.panariagroup.it

PANARIAgroup[®]

Flow

COLOURED-BODY GLAZED STONEWARE

INTENDED USE: NATURAL    ANTI-SLIP 

PROTECT

ANTIMICROBIAL SURFACE
with MICROBAN®

ICE



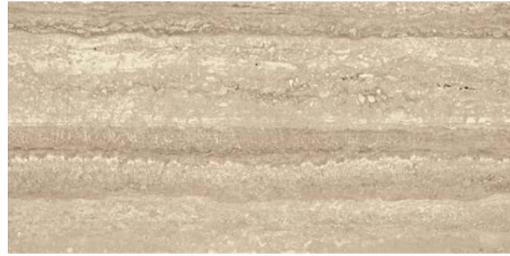
IVORY



GREY



DESERT



NATURAL



± 9 mm

12"x24" - 30x60.4 cm

NATURAL

ANTI-SLIP*

Anti-Slip surface special order only

* No antimicrobial protection

Flow

COLOURED-BODY GLAZED STONEWARE

INTENDED USE: NATURAL    ANTI-SLIP 

PROTECT

ANTIMICROBIAL SURFACE
with MICROBAN®

DECOS



MURETTO ICE Mesh Mounted

12"x28" - 30x71 cm

NATURAL

± 9 mm



MURETTO IVORY Mesh Mounted

12"x28" - 30x71 cm

NATURAL

± 9 mm

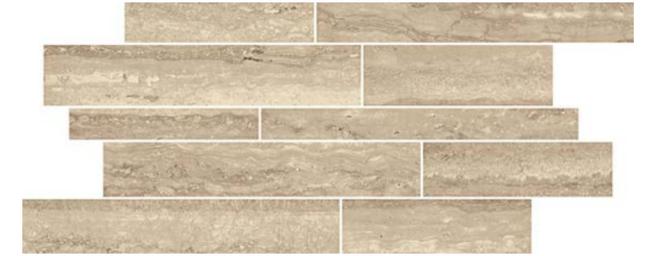


MURETTO GREY Mesh Mounted

12"x28" - 30x71 cm

NATURAL

± 9 mm



MURETTO DESERT Mesh Mounted

12"x28" - 30x71 cm

NATURAL

± 9 mm



MURETTO NATURAL Mesh Mounted

12"x28" - 30x71 cm

NATURAL

± 9 mm

Flow

COLOURED-BODY GLAZED STONEWARE

PROTECT

ANTIMICROBIAL SURFACE
with Microban®

DECOS



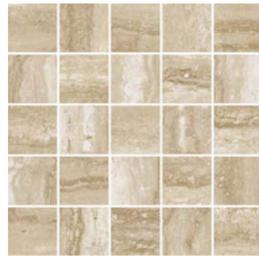
MOSAIC ICE
12"x12" - 30x30 cm
NATURAL
± 9 mm



MOSAIC IVORY
12"x12" - 30x30 cm
NATURAL
± 9 mm



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



MOSAIC DESERT
12"x12" - 30x30 cm
NATURAL
± 9 mm



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

TRIM PIECES



BULLNOSE
4"x24" - 9.5x60.4 cm
NATURAL
± 9 mm
All colors available



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

Flow

COLOURED-BODY GLAZED STONEWARE

PROTECT

ANTIMICROBIAL SURFACE
with Microban®

TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES - ANSI A137.1	FLOW AVERAGE VALUES
WATER ABSORPTION	ASTM C373	≤ 0.5%	CONFORMS
BREAKING STRENGTH	ASTM C648	≥ 250 lbf	350 lbf 9 mm
PEI SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 4 IVORY - DESERT - GREY - NATURAL PEI 5 ICE
LINEAR THERMAL EXPANSION	ASTM C372	No provision	$\alpha \leq 4.4 \times 10^{-6} \text{ }^{\circ}\text{F}^{-1}$ $\alpha \leq 8 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
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****
	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+ Natural*** - Anti-Slip**** EW 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

(*) 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	506.32	66.58	2,130.56
MOSAIC 25 PCS 12"x12" Natural	3.87	-	4	81	313.87	16.53	1,338.93
MURETTO 12"x28" Natural	7.75	-	4	30	232.5	31.97	959.1
COVE BASE 6"x12" Natural	3.87	-	8	108	417.96	16.5	1,782
BULLNOSE 4"x24" Natural	-	31.71	16	60	-	43.87	2,632.2

Flow

COLOURED-BODY GLAZED STONEWARE

P R O T E C T

ANTIMICROBIAL SURFACE
with MICROBAN®

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 FLOW series is available on request.



GREENGUARD CERTIFICATION FLOW 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.



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% WATER RECYCLING

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



100% OF NON CERAMIC WASTE

Is differentiated and recycled in other production cycles.



LOW EMISSIONS IN THE ATMOSPHERE

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



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.



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.



Follow us on



Group Marketing & Communications - Panariagroup
February 2023

Panaria
ceramica

Via Panaria Bassa, 22/a
41034 Finale Emilia (Modena) - Italy
Tel. +39 0535 95111 - Fax +39 0535 90503
info@panaria.it - panaria.it

PANARIAGROUP INDUSTRIE CERAMICHE S.p.A.
panariagroup.it