

**Panaria**  
ceramica



**General Catalog  
USA Products**

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**2025**

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Life	128	
Metropolitan	80	
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<b>20 mm</b>		
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Index by Format

<b>36"x36"   90x90 cm</b>		
Contemporary	14	
Luxe Ensemble	92	
Moondance	38	
Terrazzo	52	
<b>24"x48"   60x120 cm</b>		
Contemporary	14	
Home	66	
Luxe Ensemble	92	
Moondance	38	
Moondance 20 mm	38	
Prestige	104	
Terrazzo	52	
<b>24"x24"   60x60 cm</b>		
Contemporary 20 mm	14	
Home	66	
Home 20 mm	66	
Suite	116	
Terrazzo	52	
<b>12"x24"   30x60 cm</b>		
Contemporary	14	
Craft	182	
Flow	28	
Home	66	
Luxe Ensemble	92	
Metropolitan	80	
Moondance	38	
Playlist+	52	
Prestige	104	
Suite	116	

<b>8"x36"   20x90 cm</b>		
Life	128	
Wood Trend	138	
<b>8"x8"   20x20 cm</b>		
Playlist	150	
<b>4"x12"   10x30 cm</b>		
Suite	116	
<b>2.75"x11"   7x28 cm</b>		
Playlist	150	





# Panaria is “the beauty of feeling at home”

**Panaria Ceramica** has been crafting ceramics since 1974 with one purpose: to make people feel at home. Rooted in Italian tradition, our collections reflect the essence of personal spaces where identity, beauty, and well-being come together. With over 50 years of experience, we continue to design with passion, detail, and care. Our creative spirit and distinctive Italian culture brings style, elegance, and authenticity into everyday living.

This catalog features a range of collections that are Made in the USA or exclusively distributed in the U.S. for Panaria Ceramica. Designed in Italy and produced in our Advanced Manufacturing Facility in Lawrenceburg, Kentucky, these products reflect our commitment to combining Italian design with American-made efficiency. Orders are fulfilled quickly and reliably through our strategically located National Distribution Center, ensuring we meet the needs of the U.S. market with speed and excellence.





# PANARIAgroup®

To excel in the world of luxury ceramics means knowing how to continuously create highly technological products and how to enhance them through the utmost attention to aesthetics and detail.

Panariagroup Industrie Ceramiche S.p.A. is a multinational Italian group and worldwide leader in the production and distribution of ceramic floor and wall tiles. With almost 2,000 employees, more than 10,000 customers, 8 production plants (3 in Italy, 3 in Portugal, 1 in Germany and 1 in the USA) and an extensive sales network in over 130 countries, Panariagroup is one of the largest producers of ceramic tile.

Specialized in the production of porcelain and laminated stoneware, the group has focused on the top level and premium segments of the market by means of 14 brands (Panaria Ceramica, Lea Ceramiche, Cotto d'Este, Blustyle and Maxa in Italy, Margres, Love Tiles and Gresart in Portugal, Steuler Design, Grohn, Kerateam, and Nordceram in Germany, Florida Tile in the United States and Bellissimo in India). These brands fulfill the needs of diverse customers that share the same concern for the aesthetic and technical quality of products for residential, commercial and public architecture.

Always at the vanguard when it comes to joining beauty, quality, and

sustainability, Panariagroup maintains a thorough commitment towards reducing the environmental impact of its manufacturing facilities, thus displaying its focus on safeguarding the ecosystem while offering the highest quality. This is a vital commitment for those who, like Panariagroup, create products that millions of people all around the world encounter in their daily life, at home, or in public places.

The Group has a strong focus on research and innovation and is resolute to satisfy the highest expectations in the fields of general well-being and aesthetics, both for professional and private customers, in architecture, or in the construction industry. To excel in this world of luxury ceramics and to satisfy the demands of this exacting market segment, Panariagroup adheres to the highest standards of excellence, combining its history of artisan craftsmanship, technological expertise, and dedication to sustainability.

Panariagroup has a commitment to transparency and sustainability, publishing a yearly third-party verified sustainability report.



## One Group. One Vision.

Panariagroup USA, is the American business unit of Panariagroup Industrie Ceramiche S.p.A., a world leader in producing and distributing high-quality and prestigious ceramic surfaces.

At the forefront of design, production, and distribution of beautiful porcelain and ceramic products, Panariagroup USA features a broad array of unique and highly regarded brands: Panaria Ceramica, Florida Tile, Cotto d'Este, Lea, Love Tiles, Margres, Gresart, Maxa, and Bellissimo.

Panariagroup has always adhered to the highest standards of excellence, combining its history of skillful artisan craftsmanship with cutting edge technology. These brands fulfill the needs of diverse customers who share the same passion for the aesthetic and technical quality of products.

**PANARIAgroup®**  
**U.S.A. Inc.**

**Panaria**  
ceramica

floridatile

**COTTOD'ESTE**  
EXCLUSIVE SURFACES

**LEA**  
CERAMICHE

**LOVE**  
CERAMIC TILES

**MARGRES**  
CERAMIC TILES

**GRESART.**  
CERAMIC TILES

**MAXA**  
CERAMIC SLABS

**Bellissimo**  
STILE ITALIANO



# P R ( ) T E C T<sup>®</sup>

## ANTIMICROBIAL SURFACE

This collection is made with the exclusive antimicrobial Protect technology



### POWERFUL ACTION

*resists microbes and inhibits their growth*



### 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<sup>®</sup>**

**PANARIA**group<sup>®</sup>







## Stone Look

### Included Collections

Contemporary  
Flow  
Moondance  
Terrazzo



# Contemporary

COLOURED-BODY PORCELAIN STONEWARE











Edge Gray Soft 36"x36" Rect - 90x90 cm  
Cool Mix Soft 12"x24" Rect - 30x60 cm  
Edge Gray 20 mm Anti-Slip 24"x24" Rect - 60x60 cm



# Contemporary

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LEATHER  

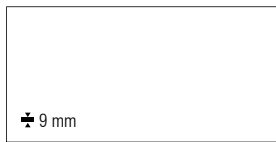
P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

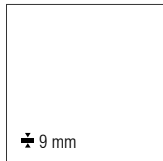
## CHIC WHITE



12"x24" Rect - 30x60 cm  
SOFT



24"x48" Rect - 60x120 cm  
SOFT  
LEATHER

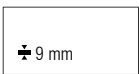
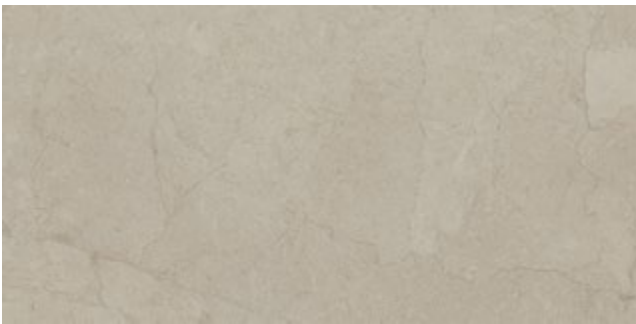


36"x36" Rect - 90x90 cm  
SOFT

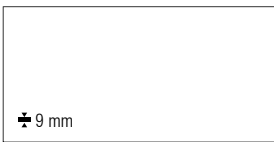
## FLOOR VIEW



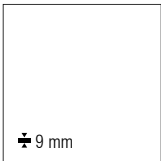
## EDGE GRAY



12"x24" Rect - 30x60 cm  
SOFT



24"x48" Rect - 60x120 cm  
SOFT  
LEATHER



36"x36" Rect - 90x90 cm  
SOFT

## FLOOR VIEW



# Contemporary

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LEATHER  

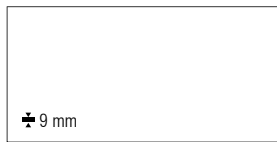
P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

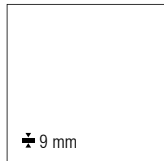
## MOD BEIGE



12"x24" Rect - 30x60 cm  
SOFT



24"x48" Rect - 60x120 cm  
SOFT  
LEATHER

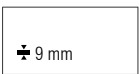


36"x36" Rect - 90x90 cm  
SOFT

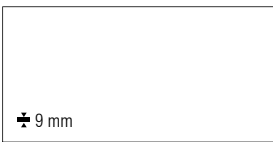
## FLOOR VIEW



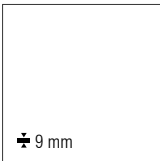
## NU TAUPE



12"x24" Rect - 30x60 cm  
SOFT



24"x48" Rect - 60x120 cm  
SOFT  
LEATHER



36"x36" Rect - 90x90 cm  
SOFT

## FLOOR VIEW

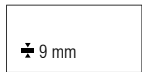


# Contemporary

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LEATHER   ANTI-SLIP 

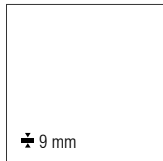
## VOGUE DARK GRAY



12"x24" Rect - 30x60 cm  
SOFT



24"x48" Rect - 60x120 cm  
SOFT  
LEATHER



36"x36" Rect - 90x90 cm  
SOFT

## FLOOR VIEW



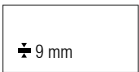
P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## ACCESSORY

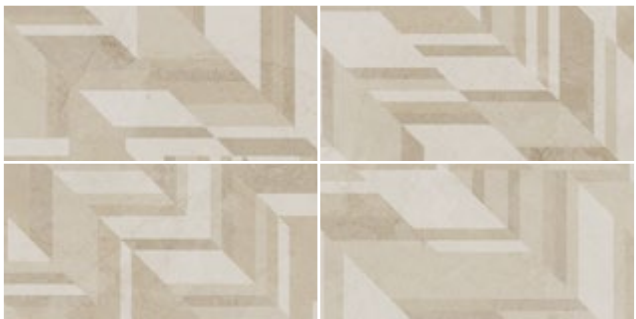


## WARM MIX



12"x24" Rect - 30x60 cm  
SOFT

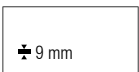
## FLOOR VIEW



## ACCESSORY



## COOL MIX



12"x24" Rect - 30x60 cm  
SOFT

## FLOOR VIEW

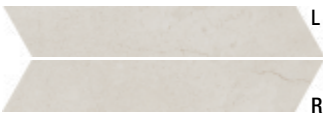


# Contemporary

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LEATHER   ANTI-SLIP 

## DECOS



CHEVRON  
CHIC WHITE  
4"x21" Rect - 10x53 cm  
SOFT  
± 9 mm



CHEVRON  
EDGE GRAY  
4"x21" Rect - 10x53 cm  
SOFT  
± 9 mm



CHEVRON  
MOD BEIGE  
4"x21" Rect - 10x53 cm  
SOFT  
± 9 mm



CHEVRON  
NU TAUPE  
4"x21" Rect - 10x53 cm  
SOFT  
± 9 mm



CHEVRON  
VOGUE DARK GRAY  
4"x21" Rect - 10x53 cm  
SOFT  
± 9 mm



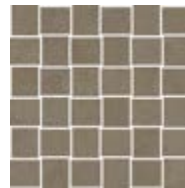
BASKETWEAVE  
CHIC WHITE  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



BASKETWEAVE  
EDGE GRAY  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



BASKETWEAVE  
MOD BEIGE  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



BASKETWEAVE  
NU TAUPE  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm

## TRIM PIECES



BULLNOSE  
4"x24" Rect - 10x60 cm  
SOFT  
± 9 mm

All colors available

CHEVRON:  
Each box contains 4 right arrows and 4 left arrows

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®



# Contemporary

COLOURED-BODY PORCELAIN STONEWARE

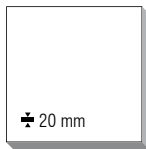
INTENDED USE: SOFT   LEATHER   ANTI-SLIP 

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

20 mm

CHIC WHITE



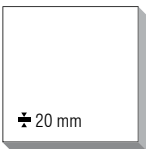
24"x24" Rect - 60x60 cm  
ANTI-SLIP

MOD BEIGE



24"x24" Rect - 60x60 cm  
ANTI-SLIP

EDGE GRAY



24"x24" Rect - 60x60 cm  
ANTI-SLIP

# Contemporary

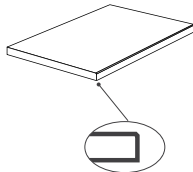
COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LEATHER   ANTI-SLIP 

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

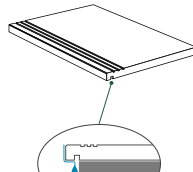
20 mm TRIM PIECES



STEP TREAD

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

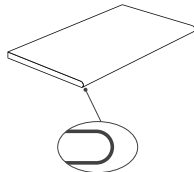
Colors available:  
Chic White - Edge Gray - Mod Beige



STEP TREAD WITH GROOVES & DRIP FLAP

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

Colors available:  
Chic White - Edge Gray - Mod Beige



STEP TREAD WITH BULLNOSE

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

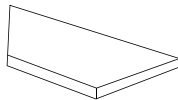
Colors available:  
Chic White - Edge Gray - Mod Beige



STEP TREAD CORNER LEFT

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

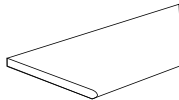
Colors available:  
Chic White - Edge Gray - Mod Beige



STEP TREAD CORNER RIGHT

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

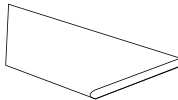
Colors available:  
Chic White - Edge Gray - Mod Beige



STEP TREAD WITH BULLNOSE CORNER LEFT

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

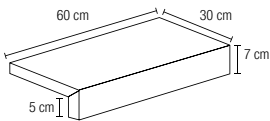
Colors available:  
Chic White - Edge Gray - Mod Beige



STEP TREAD WITH BULLNOSE CORNER RIGHT

12"x24" - 30x60 cm  
ANTI-SLIP  
✚ 20 mm

Colors available:  
Chic White - Edge Gray - Mod Beige



SWIMMING POOL SPECIAL ELEMENTS

3"x12"x24" - 7x30x60 cm  
ANTI-SLIP  
✚ 20 mm

Colors available:  
Chic White - Edge Gray - Mod Beige

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

# Contemporary















COLOURED-BODY PORCELAIN STONEWARE

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0,5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf ≥ 2500 lbf	≥ <b>450 lbf</b> 9 mm ≥ <b>2,800 lbf</b> 20 mm
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 3</b> 9 mm <b>PEI 5</b> 20 mm
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	DIN51097	-	<b>R11</b> 20 mm Anti-Slip
	ANSI A326.3	Porcelain A326.3	<b>IW+</b> 9 mm Soft - Leather <b>EW</b> 20 mm Anti-Slip
 <b>SHADE VARIATION</b>	ANSI A137.1	V2	<b>V2 Slight Variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	RECT (INDOOR)	-	<b>1/8"</b> - 3.2 mm approx.
	OUTDOOR	-	<b>3/16"</b> - 4.7 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b>		
	36"x36" Rect - 90x90 cm	-	<b>9 mm</b>
	24"x48" Rect - 60x120 cm	-	<b>9 mm</b>
	12"x24" Rect - 30x60 cm	-	<b>9 mm</b>
	24"x24" Rect - 60x60 cm	-	<b>20 mm</b>

(\*) 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<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.

## PACKINGS AND WEIGHTS

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

# Contemporary

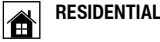
COLOURED-BODY PORCELAIN STONEWARE

P R ( ) 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.

## PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



**Declare:** A voluntary tool, recognized within the LEED credits, that ensures maximum transparency regarding the chemical composition of Panariagroup products and the total absence of substances considered to be harmful to human health and the environment. Declare is capable of guiding the choices of designers and end consumers towards healthier and more environmentally-friendly products.

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**EPD:** This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

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**Greenguard:** This logo indicates that this product has been tested and received GREENGUARD® Gold Certification (formerly known as GREENGUARD® Children & Schools Certification). GREENGUARD® offers strict certification criteria, considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. It is referenced by both The Collaborative for High Performance Schools (CHPS) and the Leadership in Energy and Environmental Design (LEED®) Building Rating System.

**HPD:** A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

For further details and to download the certifications please visit our website: [panaria.us](http://panaria.us)





# Flow

GLAZED PORCELAIN STONEWARE











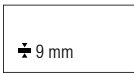


# Flow

GLAZED PORCELAIN STONEWARE

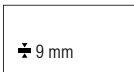
INTENDED USE: NATURAL  

## ICE



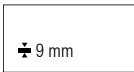
12"x24" - 30x60 cm  
NATURAL

## GREY



12"x24" - 30x60 cm  
NATURAL

## NATURAL

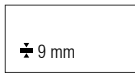


12"x24" - 30x60 cm  
NATURAL

P R ( ) T E C T ®

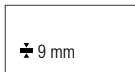
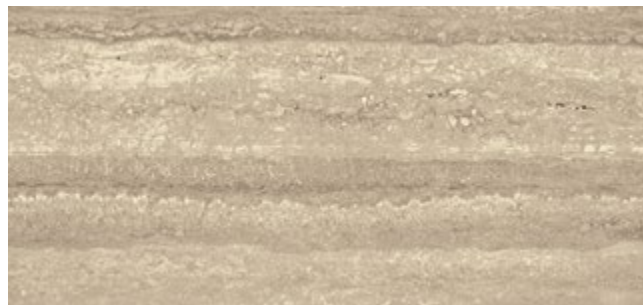
ANTIMICROBIAL SURFACE  
with MICROBAN®

## IVORY



12"x24" - 30x60 cm  
NATURAL

## DESERT



12"x24" - 30x60 cm  
NATURAL

# Flow

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## DECOS



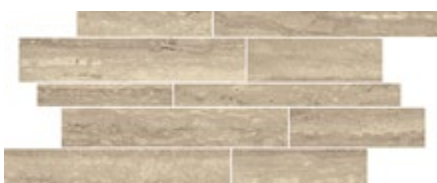
MURETTO ICE Mesh Mounted  
12"x28" - 30x71 cm  
NATURAL  
✚ 9 mm



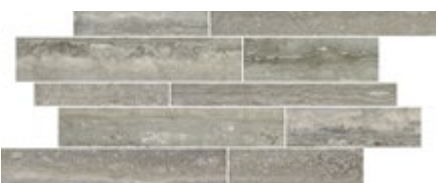
MURETTO IVORY Mesh Mounted  
12"x28" - 30x71 cm  
NATURAL  
✚ 9 mm



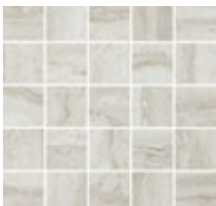
MURETTO GREY Mesh Mounted  
12"x28" - 30x71 cm  
NATURAL  
✚ 9 mm



MURETTO DESERT Mesh Mounted  
12"x28" - 30x71 cm  
NATURAL  
✚ 9 mm



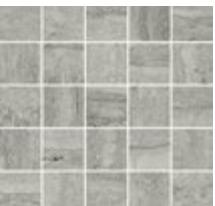
MURETTO NATURAL Mesh Mounted  
12"x28" - 30x71 cm  
NATURAL  
✚ 9 mm



25 PC MOSAIC  
ICE  
12"x12" - 30x30 cm  
NATURAL  
✚ 9 mm



25 PC MOSAIC  
IVORY  
12"x12" - 30x30 cm  
NATURAL  
✚ 9 mm



25 PC MOSAIC  
GREY  
12"x12" - 30x30 cm  
NATURAL  
✚ 9 mm

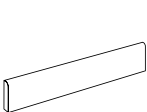


25 PC MOSAIC  
DESERT  
12"x12" - 30x30 cm  
NATURAL  
✚ 9 mm



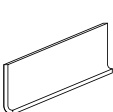
25 PC MOSAIC  
NATURAL  
12"x12" - 30x30 cm  
NATURAL  
✚ 9 mm

## TRIM PIECES



BULLNOSE  
4"x24" - 10x60 cm  
NATURAL  
✚ 9 mm

All colors available

















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

All colors available



TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0,5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	≥ <b>350 lbf</b> 9 mm
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 4</b> IVORY - DESERT - GREY - NATURAL <b>PEI 5</b> ICE
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b> <b>α ≤ 8x 10<sup>-6</sup> °C<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	-	<b>IW</b> Interior, Wet
 <b>SHADE VARIATION</b>	ANSI A326.3	V2	<b>V2 Slight Variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	NOT RECT (INDOOR)	-	<b>3/16"</b> - 4.7 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b> 12"x24" - 30x60 cm	-	<b>9 mm</b>

(\*) Excluding hydrofluoric acid and its derivatives.

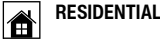
(\*\*) Grout Joint Recommendations. Per TCNA Handbook, the minimum required joint width for ceramic tile and natural stone is 1/16". Setting ceramic or stone without a grout joint of a least 1/16", often referred to as a butt joint, does not provide sufficient accommodation for dynamic building movement, 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
<b>12"x24"</b> Natural	15.82	8	32	506.34	66.58	2,130
<b>25 PC MOSAIC 12"x12"</b> Natural	3.87	4	81	313.88	16.53	1,339
<b>MURETTO 12"x28"</b> Natural	7.75	4	30	232.50	31.97	959
<b>COVE BASE 6"x12"</b> Natural	3.93	8	108	424.44	16.53	1,666
<b>BULLNOSE 4"x24"</b> Natural	9.82	16	60	589.00	43.88	2,632

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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



Certified by



Certified by UL Environment



MEMBER



GOLD



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# Moondance

COLOURED-BODY PORCELAIN STONEWARE













# Moondance

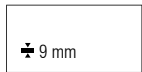
COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## WHITE



12"x24" Rect - 30x60 cm  
NATURAL



24"x48" Rect - 60x120 cm  
NATURAL

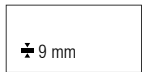


36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



## TAUPE



12"x24" Rect - 30x60 cm  
NATURAL



24"x48" Rect - 60x120 cm  
NATURAL



36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



# Moondance

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

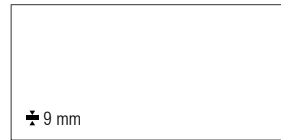
P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## BEIGE



12"x24" Rect - 30x60 cm  
NATURAL



24"x48" Rect - 60x120 cm  
NATURAL

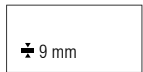


36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



## GRAY



12"x24" Rect - 30x60 cm  
NATURAL



24"x48" Rect - 60x120 cm  
NATURAL



36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



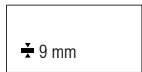


# Moondance

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

## DARK GRAY



12"x24" Rect - 30x60 cm  
NATURAL

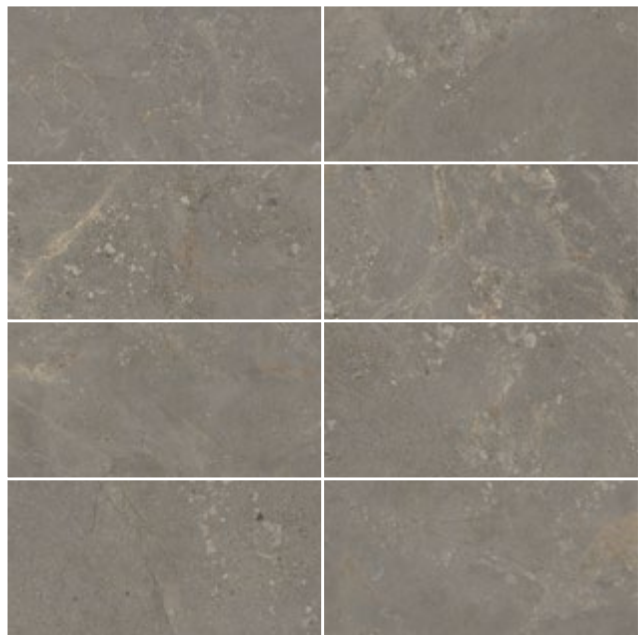


24"x48" Rect - 60x120 cm  
NATURAL



36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

# Moondance

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

## DECOS



TRAPEZOID MOSAIC  
WHITE

12"x14" Rect - 30x35 cm  
NATURAL  
± 9 mm



TRAPEZOID MOSAIC  
TAUPE

12"x14" Rect - 30x35 cm  
NATURAL  
± 9 mm



TRAPEZOID MOSAIC  
BEIGE

12"x14" Rect - 30x35 cm  
NATURAL  
± 9 mm



TRAPEZOID MOSAIC  
GRAY

12"x14" Rect - 30x35 cm  
NATURAL  
± 9 mm



TRAPEZOID MOSAIC  
DARK GRAY

12"x14" Rect - 30x35 cm  
NATURAL  
± 9 mm

## TRIM PIECES



BULLNOSE

4"x24" - 10x60 cm  
NATURAL  
± 9 mm

All colors available

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®



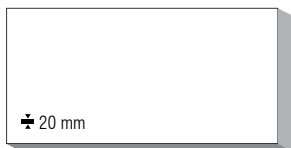
# Moondance

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

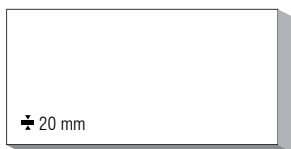
20 mm

WHITE



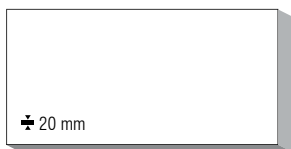
24"x48" Rect - 60x120 cm  
ANTI-SLIP

BEIGE



24"x48" Rect - 60x120 cm  
ANTI-SLIP

DARK GRAY



24"x48" Rect - 60x120 cm  
ANTI-SLIP

PROTECT

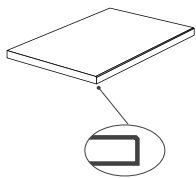
ANTIMICROBIAL SURFACE  
with MICROBAN

# Moondance

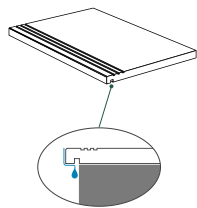
COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

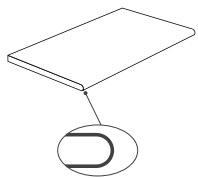
20 mm TRIM PIECES



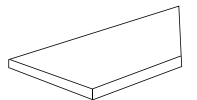
STEP TREAD  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



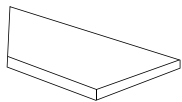
STEP TREAD WITH GROOVES & DRIP FLAP  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



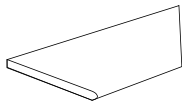
STEP TREAD WITH BULLNOSE  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



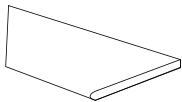
STEP TREAD CORNER LEFT  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



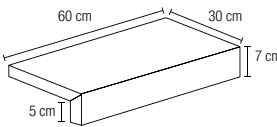
STEP TREAD CORNER RIGHT  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



STEP TREAD WITH BULLNOSE CORNER  
LEFT  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



STEP TREAD WITH BULLNOSE CORNER  
RIGHT  
12"x24" - 30x60 cm  
ANTI-SLIP  
20 mm



SWIMMING POOL SPECIAL ELEMENTS  
3"x12"x24" - 7x30x60 cm  
ANTI-SLIP  
20 mm

PROTECT

ANTIMICROBIAL SURFACE  
with MICROBAN

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



# Moondance















COLOURED-BODY PORCELAIN STONEWARE

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	≥ <b>450 lbf</b> Natural ≥ <b>2,800 lbf</b> Anti-Slip
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 3</b> Natural <b>PEI 5</b> Anti-Slip
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+</b> Interior, Wet Plus - Natural <b>EW</b> Exterior, Wet - Anti-Slip
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 Slight Variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	RECT (INDOOR)	-	<b>1/8"</b> - 3.2 mm approx.
	OUTDOOR	-	<b>3/16"</b> - 4.7 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b>		
	36"x36" Rect - 90x90 cm	-	<b>9 mm</b>
	24"x48" Rect - 60x120 cm	-	<b>9 mm</b>
	12"x24" Rect - 30x60 cm	-	<b>9 mm</b>
	24"x48" Rect - 60x120 cm	-	<b>20 mm</b>

(\*) 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<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.

## PACKINGS AND WEIGHTS

SIZES	SF / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
<b>36"x36" Rect</b> Natural	17.40	2	30	522.00	78.20	2,346
<b>24"x48" Rect</b> Natural	15.39	2	40	615.70	64.98	2,649
<b>12"x24" Rect</b> Natural	15.62	8	32	499.84	58.20	1,912
<b>24"x48" Rect 20 mm</b> Anti-Slip	7.65	1	40	306.00	71.15	2,896
<b>TRAPEZOID MOSAIC 12"x14" Rect</b> Natural	5.60	5	90	504.00	23.00	2,120
<b>BULLNOSE 4"x24" Rect</b> Natural	9.82	16	60	589.00	39.46	2,418

# Moondance

COLOURED-BODY PORCELAIN STONEWARE

P R ( ) 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.

## PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



**Declare:** A voluntary tool, recognized within the LEED credits, that ensures maximum transparency regarding the chemical composition of Panariagroup products and the total absence of substances considered to be harmful to human health and the environment. Declare is capable of guiding the choices of designers and end consumers towards healthier and more environmentally-friendly products.

**Green Squared:**The logo for Green Squared® involves one industry, one standard, and one mark and covers the gamut of products used in a tile installation. It was the first multi-attribute sustainability standard developed for tiles and tile installation materials. Green Squared® uses the transparency and consensus of the ANSI® process combined with third party certification to evaluate, validate, and communicate products which have a positive impact on the environment and society. Green Squared® covers product characteristics, manufacturing, end of product life management, progressive corporate governance, and innovation in an effort to establish sustainability criteria for products throughout their full life cycle.

**EPD:** This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

**USGBC - LEED:** 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 is available on request.

**Greenguard:** This logo indicates that this product has been tested and received GREENGUARD® Gold Certification (formerly known as GREENGUARD® Children & Schools Certification). GREENGUARD® offers strict certification criteria, considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. It is referenced by both The Collaborative for High Performance Schools (CHPS) and the Leadership in Energy and Environmental Design (LEED®) Building Rating System.

**HPD:** A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

For further details and to download the certifications please visit our website: [panaria.us](http://panaria.us)





# Terrazzo

GLAZED PORCELAIN STONEWARE







White Natural 24"x48" Rect - 60x120 cm  
 25 PC Mosaic White Natural 12"x12" Rect - 30x30 cm  
 Smoke Natural 36"x36" Rect - 90x90cm



Tortora Natural 36"x36" Rect - 90x90cm







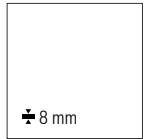
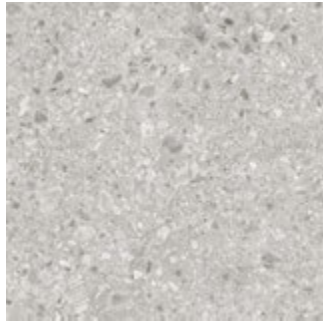


# Terrazzo

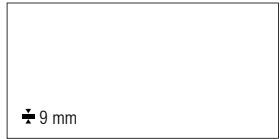
GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## WHITE



24"x24" Rect - 60x60 cm  
NATURAL  
(Special Order Only)



24"x48" Rect - 60x120 cm  
NATURAL

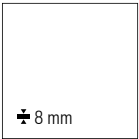
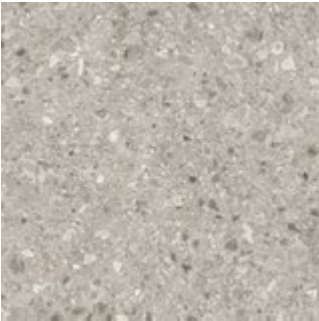


36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



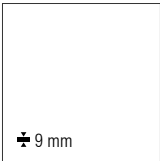
## GREY



24"x24" Rect - 60x60 cm  
NATURAL  
(Special Order Only)



24"x48" Rect - 60x120 cm  
NATURAL



36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



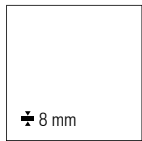
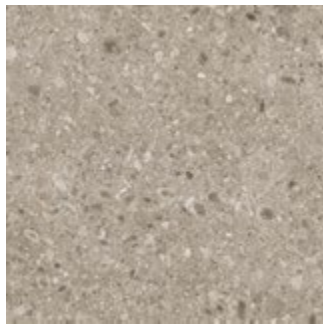


# Terrazzo

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## TORTORA



24"x24" Rect - 60x60 cm  
NATURAL  
(Special Order Only)



24"x48" Rect - 60x120 cm  
NATURAL

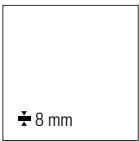
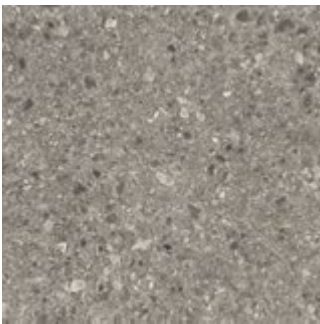


36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



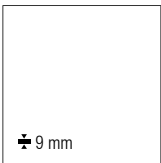
## SMOKE



24"x24" Rect - 60x60 cm  
NATURAL  
(Special Order Only)

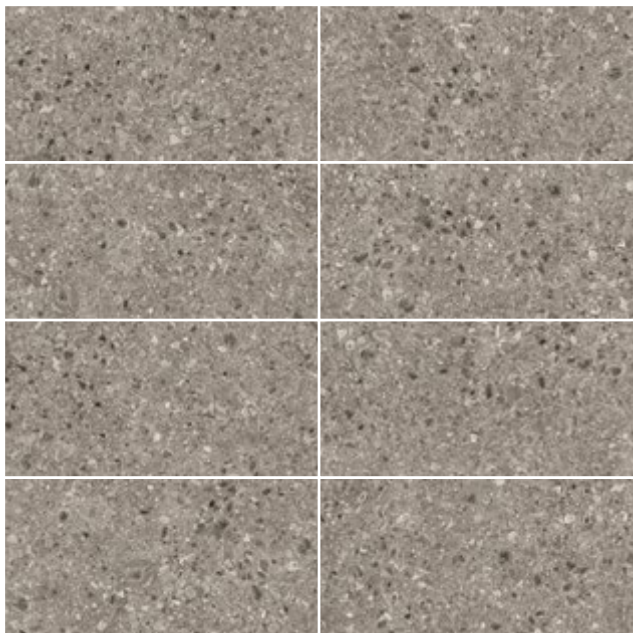


24"x48" Rect - 60x120 cm  
NATURAL



36"x36" Rect - 90x90 cm  
NATURAL

## FLOOR VIEW



# Terrazzo

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## DECOS



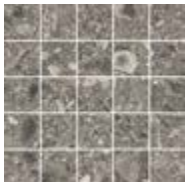
25 PC MOSAIC  
WHITE  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



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



25 PC MOSAIC  
TORTORA  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm

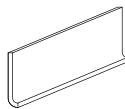


25 PC MOSAIC  
SMOKE  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm

## TRIM PIECES



BULLNOSE  
4"x24" - 10x60 cm  
NATURAL  
± 9 mm



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



COVE BASE CORNER  
6"x1" - 15x2.5 cm  
NATURAL  
± 9 mm

(Cove Base & Cove Base Corner are special order only)

















Terrazzo

GLAZED PORCELAIN STONWARE

TECHNICAL FEATURES

GLAZED PORCELAIN STONWARE according to ANSI A137.1 (Glazed Porcelain Tiles - P1 Class)

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥330 lbf</b>
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 4</b>
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+ Interior, Wet Plus</b>
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V3 (Moderate Variation)</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	RECT (INDOOR)	-	<b>1/8" - 3.2 mm approx.</b>
 <b>THICKNESS</b>	<b>SIZES</b>		
	24"x24" - 60x60 cm	-	<b>8 mm</b>
	24"x48" - 60x120 cm	-	<b>9 mm</b>
	36"x36" - 90x90 cm	-	<b>9 mm</b>

(\*) 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
24"x24" Rect Natural	17.44	2	25	435.94	70.55	1,813
24"x48" Rect Natural	15.50	2	36	558.01	31.97	2,351
36"x36" Rect Natural	15.50	4	36	558.01	54.01	1,994
MOSAIC 25 PCS 12"x12" Rect Natural	4.84	5	90	436.05	17.64	1,638
BULLNOSE 4"x24" Rect Natural	9.82	16	60	589.20	33.80	2,078
COVE BASE 6"x12" Rect Natural	3.93	8	108	424.44	14.96	1,666
COVE BASE CORNER 6"x1" Rect Natural	0.17	4	600	102.00	0.80	530


Terrazzo


GLAZED PORCELAIN STONWARE


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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



**PORCELAIN**  
TILE  
0.5% or less water absorption













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**HPD:** A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

For further details and to download the certifications please visit our website: panaria.us





# Concrete Look

**Included Collections**

Home  
Metropolitan

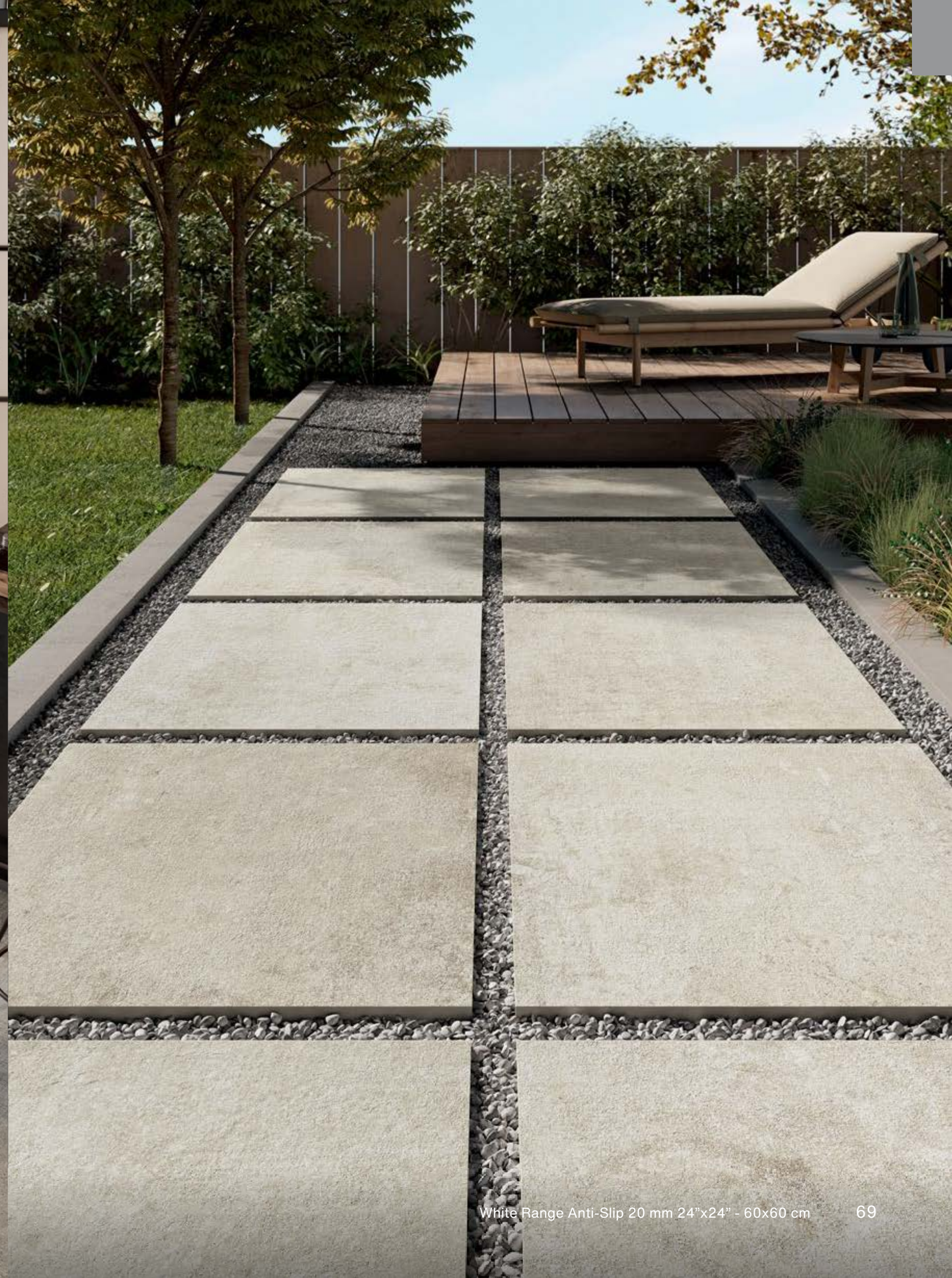


# Home

COLOURED-BODY PORCELAIN STONEWARE











Grey Range Natural 24"x24" Rect - 60x60 cm  
Accessory Grey Range Natural 24"x24" Rect - 60x60 cm  
25 PC Mosaic Grey Range Natural 12"x12" Rect - 30x30 cm





# Home

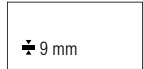
COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

PROTECT

ANTIMICROBIAL SURFACE  
with MICROBAN®

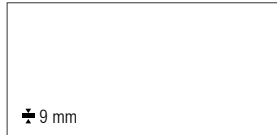
## WHITE RANGE



12"x24" Rect - 30x60 cm  
NATURAL

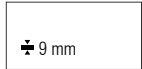


24"x24" Rect - 60x60 cm  
NATURAL

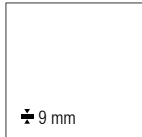


24"x48" Rect - 60x120 cm  
NATURAL

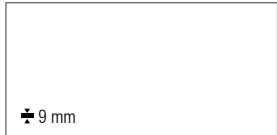
## GREY RANGE



12"x24" Rect - 30x60 cm  
NATURAL



24"x24" Rect - 60x60 cm  
NATURAL



24"x48" Rect - 60x120 cm  
NATURAL

## FLOOR VIEW



## FLOOR VIEW





# Home


COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

## GREIGE RANGE



 9 mm **12"x24" Rect** - 30x60 cm  
NATURAL

 9 mm **24"x24" Rect** - 60x60 cm  
NATURAL

 9 mm **24"x48" Rect** - 60x120 cm  
NATURAL

## FLOOR VIEW



P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

# Home

COLOURED-BODY PORCELAIN STONEWARE


INTENDED USE: NATURAL   ANTI-SLIP 

## ACCESSORY



## WHITE RANGE


 9 mm **12"x24" Rect** - 30x60 cm  
NATURAL

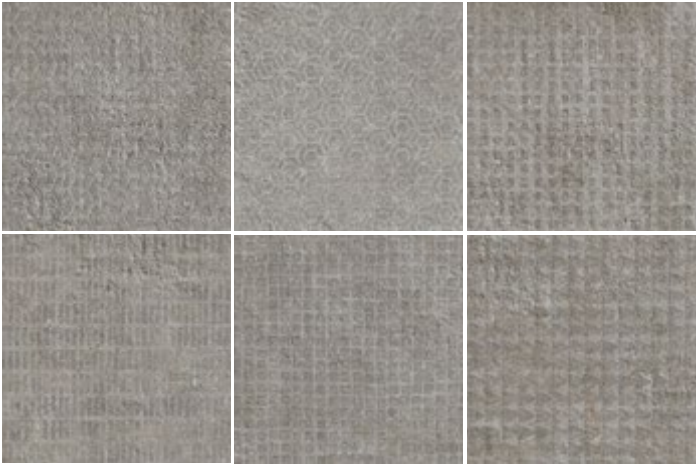
 9 mm **24"x24" Rect** - 60x60 cm  
NATURAL



## GREIGE RANGE


 9 mm **12"x24" Rect** - 30x60 cm  
NATURAL

 9 mm **24"x24" Rect** - 60x60 cm  
NATURAL



## GREY RANGE

 9 mm **12"x24" Rect** - 30x60 cm  
NATURAL

 9 mm **24"x24" Rect** - 60x60 cm  
NATURAL

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®



COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

DECOS



MURETTO A+B  
WHITE RANGE  
12"x28" Rect - 30x71 cm  
NATURAL  
± 9 mm



MURETTO A+B  
GREIGE RANGE  
12"x28" Rect - 30x71 cm  
NATURAL  
± 9 mm



MURETTO A+B  
GREY RANGE  
12"x28" Rect - 30x71 cm  
NATURAL  
± 9 mm



25 PC MOSAIC  
WHITE RANGE  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm

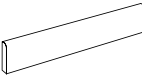


25 PC MOSAIC  
GREIGE RANGE  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



25 PC MOSAIC  
GREY RANGE  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm

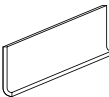
TRIM PIECES



BULLNOSE  
4"x24" Rect - 10x60 cm  
NATURAL  
± 9 mm

All colors available

(Cove Base is special order only)



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

All colors available

PROTECT

ANTIMICROBIAL SURFACE  
with MICROBAN®

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   ANTI-SLIP 

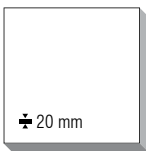
20 mm

WHITE RANGE



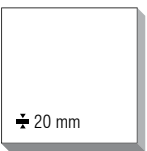
24"x24" - 60x60 cm  
ANTI-SLIP

GREY RANGE



24"x24" - 60x60 cm  
ANTI-SLIP

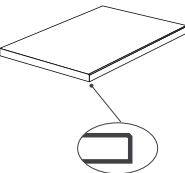
GREIGE RANGE



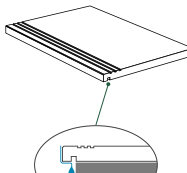
24"x24" - 60x60 cm  
ANTI-SLIP

20 mm

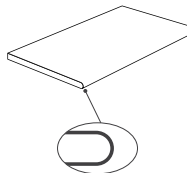
TRIM PIECES



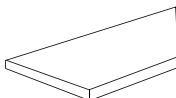
STEP TREAD  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm



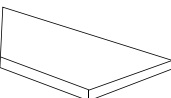
STEP TREAD WITH GROOVES & DRIP FLAP  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm



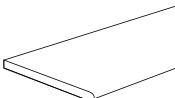
STEP TREAD WITH BULLNOSE  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm



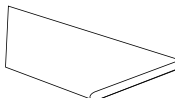
STEP TREAD CORNER LEFT  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm



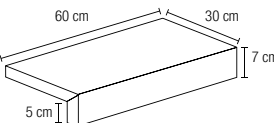
STEP TREAD CORNER RIGHT  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm



STEP TREAD WITH BULLNOSE CORNER  
LEFT  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm



STEP TREAD WITH BULLNOSE CORNER  
RIGHT  
12"x24" - 30x60 cm  
ANTI-SLIP  
± 20 mm

















SWIMMING POOL SPECIAL ELEMENTS  
3"x12"x24" - 7x30x60 cm  
ANTI-SLIP  
± 20 mm



TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥425 lbf</b> Natural <b>≥2,800 lbf</b> Anti-Slip
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 5</b> White Range <b>PEI 4</b> Grey Range, Greige Range
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4,4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+</b> Interior, Wet Plus - Natural <b>EW</b> Exterior, Wet - Anti-Slip
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 Slight Variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	RECT (INDOOR)	-	<b>1/8"</b> - 3.2 mm approx.
	OUTDOOR	-	<b>3/16"</b> - 4.7 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b>		
	12"x24" Rect - 30x60 cm	-	<b>9 mm</b>
	24"x24" Rect - 60x60 cm	-	<b>9 mm</b>
	24x48" Rect - 60x120 cm	-	<b>9 mm</b>
	24"x24" - 60x60 cm	-	<b>20 mm</b>

(\*) 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
24"x48" Rect Natural	15.61	2	36	561.96	71.65	2,579
24"x24" Rect Natural	15.61	4	36	561.96	64.48	2,321
12"x24" Rect Natural	15.61	8	32	499.52	64.48	2,063
24"x24" 20 mm Anti-Slip	8.03	2	36	289.08	73.85	2,659
ACCESSORY 24"x24" Rect Natural	15.61	4	36	561.96	64.48	2,321
ACCESSORY 12"x24" Rect Natural	15.61	8	32	499.52	64.48	2,063
25 PC MOSAIC 12"x12" Rect Natural	3.87	4	81	313.47	14.89	1,206
MURETTO 12"x28" Rect Natural	7.75	4	30	232.50	28.78	863.4
BULLNOSE 4"x24" Rect Natural	9.82	16	60	589.20	39.46	2,368
COVE BASE 6"x12" Natural	3.87	8	108	417.90	16.50	1,782

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

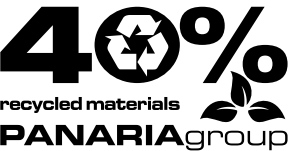
Common areas of shopping centres, hotel foyers, canteens, fast food restaurants, dance clubs, hospitals, schools, museums, places of worship, airports, stations.



OUTDOOR

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

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



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For further details and to download the certifications please visit our website: panaria.us





# Metropolitan

GLAZED PORCELAIN STONEWARE













# Metropolitan

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## FAIR



12"x24" - 30x60 cm  
NATURAL

## STAINED



12"x24" - 30x60 cm  
NATURAL

## SOLID



12"x24" - 30x60 cm  
NATURAL

## INFUSED



12"x24" - 30x60 cm  
NATURAL

## ACCESSORY



### LIGHT STRIPES



12"x24" - 30x60 cm  
NATURAL



### DARK STRIPES



12"x24" - 30x60 cm  
NATURAL

# Metropolitan

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## DECOS



### 16 PCS MOSAIC

#### FAIR

12"x12" - 30x30 cm  
NATURAL  
± 9 mm



### 16 PCS MOSAIC

#### STAINED

12"x12" - 30x30 cm  
NATURAL  
± 9 mm



### 16 PCS MOSAIC

#### SOLID

12"x12" - 30x30 cm  
NATURAL  
± 9 mm

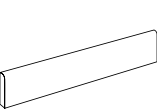


### 16 PCS MOSAIC

#### INFUSED

12"x12" - 30x30 cm  
NATURAL  
± 9 mm

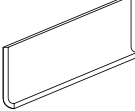
## TRIM PIECES



### BULLNOSE

3"x12" - 8x30 cm  
NATURAL  
± 9 mm

All colors available



### COVE BASE

6"x12" - 15x30 cm  
NATURAL  
± 9 mm

All colors available

(Cove Base is special order only)

















# Metropolitan

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL   

## TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES - ANSI A137.1	METROPOLITAN AVERAGE VALUES
 WATER ABSORPTION	ASTM C373	≤ 0.5%	CONFORMS
 BREAKING STRENGTH	ASTM C648	≥ 250 lbf	350 lbf 9 mm
 SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 5 FAIR - STAINED - SOLID PEI 4 INFUSED
 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 <sup>(*)</sup>	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 A326.3	-	IW+ Interior, Wet Plus - Natural
 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 <sup>(**)</sup>	NOT RECT (INDOOR)	-	3/16" - 4.7 mm approx.
 THICKNESS	SIZES		
	12"x24" - 30x60 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.

## PACKINGS AND WEIGHTS

SIZES	SF / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
12"x24" Natural	15.82	8	32	506.24	66.57	2,130
LIGHT/DARK STRIPES 12"x24" Natural	15.82	8	32	506.24	66.57	2,130
MOSAIC 16 PCS 12"x12" Natural	3.88	4	81	313.88	16.53	1,339
COVE BASE 6"x12" Natural	3.87	8	108	424.44	16.53	1,785
BULLNOSE 3"x12" Natural	5.17	20	112	579.04	19.84	2,222

# Metropolitan

GLAZED PORCELAIN 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.

## PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



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## Marble Look

**Included Collections**

Luxe Ensemble  
Prestige  
Suite



# Luxe Ensemble

COLOURED-BODY PORCELAIN STONEWARE







Taj Mahal Soft 36"x36" Rect - 90x90 cm  
Taj Mahal Lux 24"x48" Rect - 60x120 cm  
Diamond Mosaic Taj Mahal Lux 10"x15" Rect - 25x40 cm  
36 PC Mosaic Taj Mahal Soft 12"x12" Rect - 30x30 cm



St. Denis Soft 36"x36" Rect - 90x90 cm  
Ingot Mosaic Lux 8"x14" Rect - 22x36 cm







# Luxe Ensemble

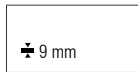
COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LUX  

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## STATUARIO



12"x24" Rect - 30x60 cm  
SOFT  
LUX



24"x48" Rect - 60x120 cm  
SOFT  
LUX

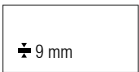
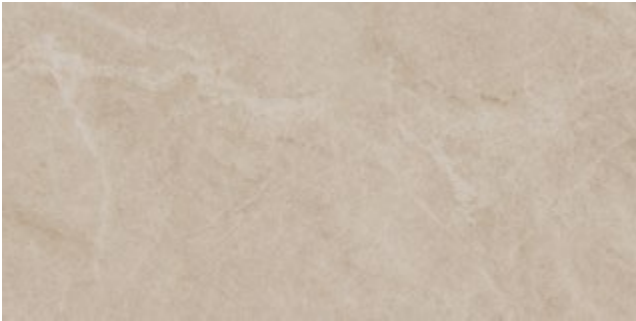


36"x36" Rect - 90x90 cm  
SOFT  
LUX

## FLOOR VIEW



## TAJ MAHAL



12"x24" Rect - 30x60 cm  
SOFT  
LUX



24"x48" Rect - 60x120 cm  
SOFT  
LUX



36"x36" Rect - 90x90 cm  
SOFT  
LUX

## FLOOR VIEW



# Luxe Ensemble

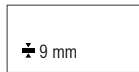
COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LUX  

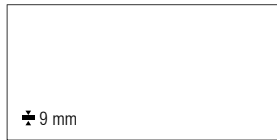
P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

## CAMOUFLAGE



12"x24" Rect - 30x60 cm  
SOFT  
LUX

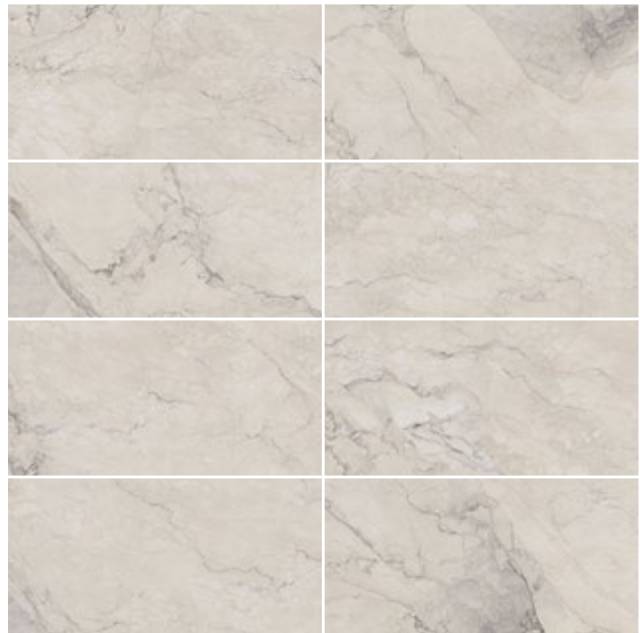


24"x48" Rect - 60x120 cm  
SOFT  
LUX

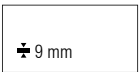
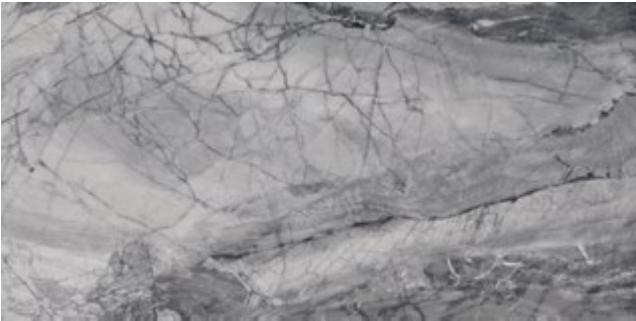


36"x36" Rect - 90x90 cm  
SOFT  
LUX

## FLOOR VIEW



## QUARTZITE



12"x24" Rect - 30x60 cm  
SOFT  
LUX

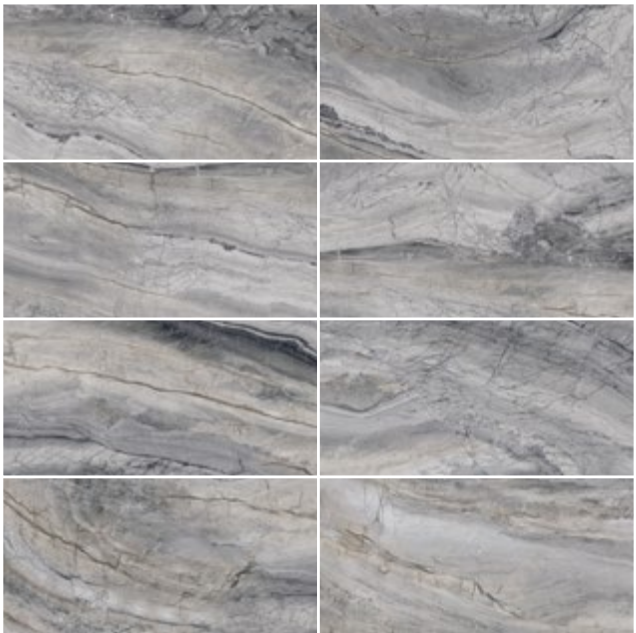


24"x48" Rect - 60x120 cm  
SOFT  
LUX



36"x36" Rect - 90x90 cm  
SOFT  
LUX

## FLOOR VIEW



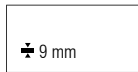


# Luxe Ensemble

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LUX  

## ST. DENIS



12"x24" Rect - 30x60 cm  
SOFT  
LUX

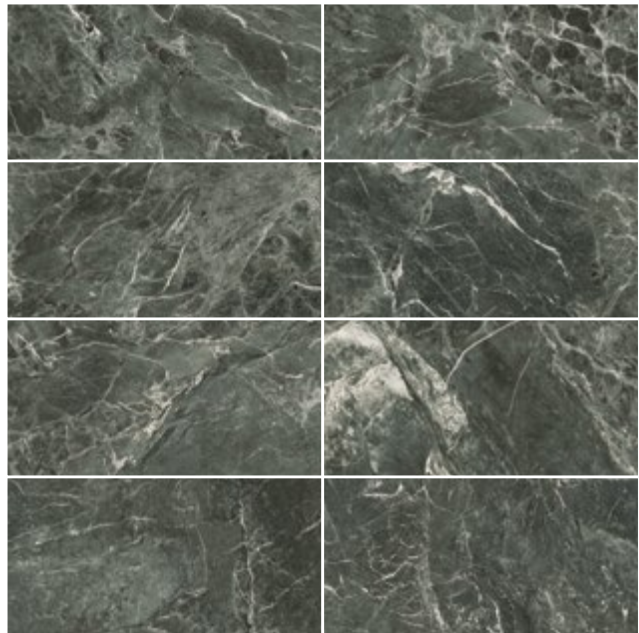


24"x48" Rect - 60x120 cm  
SOFT  
LUX



36"x36" Rect - 90x90 cm  
SOFT  
LUX

## FLOOR VIEW



P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

# Luxe Ensemble

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LUX  

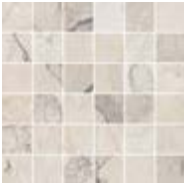
## DECOS



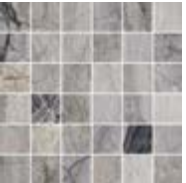
36 PC MOSAIC  
STATUARIO  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



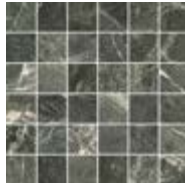
36 PC MOSAIC  
TAJ MAHAL  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



36 PC MOSAIC  
CAMOUFLAGE  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



36 PC MOSAIC  
QUARTZITE  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



36 PC MOSAIC  
ST. DENIS  
12"x12" Rect - 30x30 cm  
SOFT  
± 9 mm



DIAMOND MOSAIC  
STATUARIO  
10"x15" Rect - 25x40 cm  
LUX  
± 9 mm



DIAMOND MOSAIC  
TAJ MAHAL  
10"x15" Rect - 25x40 cm  
LUX  
± 9 mm



DIAMOND MOSAIC  
CAMOUFLAGE  
10"x15" Rect - 25x40 cm  
LUX  
± 9 mm



DIAMOND MOSAIC  
QUARTZITE  
10"x15" Rect - 25x40 cm  
LUX  
± 9 mm



DIAMOND MOSAIC  
ST. DENIS  
10"x15" Rect - 25x40 cm  
LUX  
± 9 mm

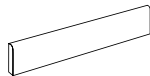


DIAMOND MOSAIC  
COLOR MIX: STATUARIO & ST. DENIS  
10"x15" Rect - 25x40 cm  
LUX  
± 9 mm



INGOT MOSAIC  
COLOR MIX: STATUARIO, TAJ MAHAL &  
ST. DENIS  
8"x14" Rect - 22x36 cm  
LUX  
± 9 mm

## TRIM PIECES



BULLNOSE  
4"x24" Rect - 10x60 cm  
SOFT  
LUX  
± 9 mm

All colors available

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®



Luxe Ensemble

COLOURED-BODY PORCELAIN STONEWARE



TECHNICAL FEATURES

COLOURED-BODY PORCELAIN STONEWARE(\*) according to ANSI A137.1 (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	≥450 lbf
SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 3
LINEAR THERMAL EXPANSION	ASTM C372	Not Required	α ≤ 4.4 x 10 <sup>-6</sup> °F <sup>-1</sup>
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	ANSI A326.3	Porcelain A326.3	IW Interior, Wet - Soft ID Interior, Dry - Lux
SHADE VARIATION	ANSI A137.1	As indicated by manufacturer	V3 Moderate Variation
FLAME SPREAD	ASTM E84	-	Class A
THERMAL CONDUCTIVITY	EN 12524	-	λ = 1,3 W/m °K / 0.7 BTU/ft h °F
RECOMMENDED MINIMUM JOINT(***)	RECT (INDOOR)	-	1/8" - 3.2 mm approx.
THICKNESS	SIZES		
	36"x36" - Rect Soft - Lux	-	9 mm
	24"x48" - 60x120 cm	-	9 mm
	12"x24" - 30x60 cm	-	9 mm

(\*) The color St. Denis is manufactured using standard body, not coloured-body.  
(\*\*) 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 - Lux	17.40	2	30	522.00	78.20	2,346
24"x48" Rect Soft - Lux	15.39	2	40	615.70	64.98	2,649
12"x24" Rect Soft - Lux	15.62	8	32	499.84	58.20	1,912
36 PC MOSAIC 12"x12" Rect Soft	4.84	5	90	435.60	17.64	1,638
DIAMOND MOSAIC 10"x15" Rect Lux	5.40	5	60	324.00	22.00	1,370
INGOT MOSAIC 8"x14" Rect Lux	4.25	5	60	255.00	18.00	1,130
BULLNOSE 4"x24" Rect Soft - Lux	9.82	16	60	589.00	39.46	2,418

Luxe Ensemble

COLOURED-BODY PORCELAIN 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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



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# Prestige

COLOURED-BODY PORCELAIN STONEWARE















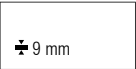
# Prestige

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LUX  

**PROTECT**  
ANTIMICROBIAL SURFACE  
with MICROBAN®

## CALACATTA GOLD

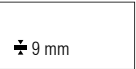


12"x24" Rect - 30x60 cm  
SOFT  
LUX



24"x48" Rect - 60x120 cm  
SOFT  
LUX

## ONICE CREAM



12"x24" Rect - 30x60 cm  
SOFT  
LUX



24"x48" Rect - 60x120 cm  
SOFT  
LUX

## FLOOR VIEW



## FLOOR VIEW





# Prestige


COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT   LUX  


**P R ( ) T E C T ®**  
ANTIMICROBIAL SURFACE  
with **MICROBAN®**

## TRAVERTINO WHITE





**12"x24" Rect** - 30x60 cm  
SOFT  
LUX




**24"x48" Rect** - 60x120 cm  
SOFT  
LUX

## FLOOR VIEW

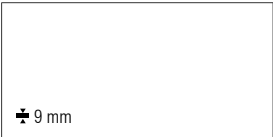


## IMPERIALE GREY





**12"x24" Rect** - 30x60 cm  
SOFT  
LUX



**24"x48" Rect** - 60x120 cm  
SOFT  
LUX

## FLOOR VIEW




# Prestige

COLOURED-BODY PORCELAIN STONEWARE


INTENDED USE: SOFT   LUX  

**P R ( ) T E C T ®**  
ANTIMICROBIAL SURFACE  
with **MICROBAN®**


## DECOS



**CHEVRON**  
**CALACATTA GOLD**  
**4"x21" Rect** - 10x53 cm  
SOFT  
✚ 9 mm



**CHEVRON**  
**ONICE CREAM**  
**4"x21" Rect** - 10x53 cm  
SOFT  
✚ 9 mm



**CHEVRON**  
**TRAVERTINO WHITE**  
**4"x21" Rect** - 10x53 cm  
SOFT  
✚ 9 mm



**CHEVRON**  
**IMPERIALE GREY**  
**4"x21" Rect** - 10x53 cm  
SOFT  
✚ 9 mm



**36 PC MOSAIC**  
**CALACATTA GOLD**  
**12"x12" Rect** - 30x30 cm  
LUX  
SOFT  
✚ 9 mm



**36 PC MOSAIC**  
**ONICE CREAM**  
**12"x12" Rect** - 30x30 cm  
LUX  
SOFT  
✚ 9 mm

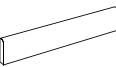


**36 PC MOSAIC**  
**TRAVERTINO WHITE**  
**12"x12" Rect** - 30x30 cm  
LUX  
SOFT  
✚ 9 mm



**36 PC MOSAIC**  
**IMPERIALE GREY**  
**12"x12" Rect** - 30x30 cm  
LUX  
SOFT  
✚ 9 mm

## TRIM PIECES



**BULLNOSE**  
**4"x24"** - 10x60 cm  
LUX  
SOFT  
✚ 9 mm



**COVE BASE**  
**6"x12"** - 15x30 cm  
SOFT  
✚ 9 mm

(Cove Base is special order only)

CHEVRON:  
Each box contains 4 right arrows and 4 left arrows



Prestige

COLOURED-BODY PORCELAIN STONEWARE



TECHNICAL FEATURES

COLOURED-BODY PORCELAIN STONEWARE(\*) according to ANSI A137.1 (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	≥350 lbf
SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 3
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 <sup>(*)</sup>	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	ANSI A326.3	Porcelain A326.3	IW+ Interior, Wet Plus - Soft ID Interior, Dry - Lux
SHADE VARIATION	ANSI A137.1	As indicated by manufacturer	V3 Moderate Variation Onice Cream - Imperiale Grey V4 Substantial Variation Calacatta Gold - Travertino White
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 <sup>(**)</sup>	RECT (INDOOR)	-	1/8" - 3.2 mm approx.
THICKNESS	SIZES		
	24"x48" Rect - 60x120 cm	-	9 mm
	12"x24" Rect - 30x60 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.

PACKINGS AND WEIGHTS

SIZES	SF / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
24"x48" Rect Soft - Lux	15.39	2	40	615.70	64.98	2,649
12"x24" Rect Soft - Lux	15.62	8	32	499.84	58.20	1,912
36 PCS MOSAIC 12"x12" Rect Soft - Lux	4.84	5	90	435.60	17.64	1,638
CHEVRON 4"x21" Rect Soft	4.42	8	64	282.88	20.31	1,350
BULLNOSE 4"x24" Rect Soft - Lux	9.82	16	60	589.00	39.46	2,418
COVE BASE 6"x12" Rect Soft	3.87	8	108	417.96	16.53	1,785

Prestige

COLOURED-BODY PORCELAIN 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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS

0.5% or less water absorption

PANARIAGROUP

Certified by

Certified by UL Environment

**Declare:** A voluntary tool, recognized within the LEED credits, that ensures maximum transparency regarding the chemical composition of Panariagroup products and the total absence of substances considered to be harmful to human health and the environment. Declare is capable of guiding the choices of designers and end consumers towards healthier and more environmentally-friendly products.

**Green Squared:**The logo for Green Squared® involves one industry, one standard, and one mark and covers the gamut of products used in a tile installation. It was the first multi-attribute sustainability standard developed for tiles and tile installation materials. Green Squared® uses the transparency and consensus of the ANSI® process combined with third party certification to evaluate, validate, and communicate products which have a positive impact on the environment and society. Green Squared® covers product characteristics, manufacturing, end of product life management, progressive corporate governance, and innovation in an effort to establish sustainability criteria for products throughout their full life cycle.

**EPD:** This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

**USGBC - LEED:** 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 is available on request.

**Greenguard:** This logo indicates that this product has been tested and received GREENGUARD® Gold Certification (formerly known as GREENGUARD® Children & Schools Certification). GREENGUARD® offers strict certification criteria, considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. It is referenced by both The Collaborative for High Performance Schools (CHPS) and the Leadership in Energy and Environmental Design (LEED®) Building Rating System.

**HPD:** A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

For further details and to download the certifications please visit our website: panaria.us





# Suite

COLOURED-BODY PORCELAIN STONEWARE











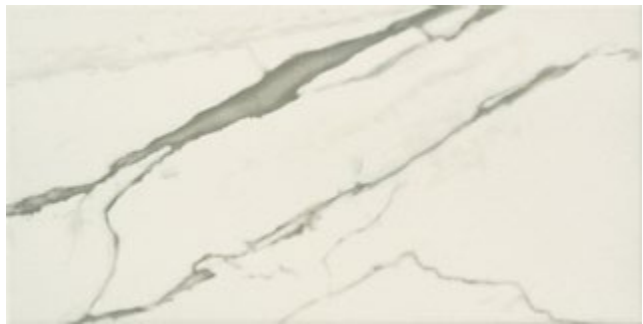


# Suite

COLOURED-BODY PORCELAIN STONEWARE

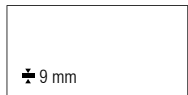
INTENDED USE: NATURAL   ANTI-SLIP 

## STATUE



 9 mm

4"x12" Rect - 10x30 cm  
NATURAL

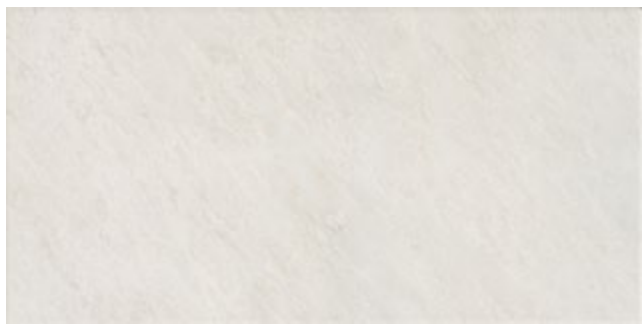


12"x24" - 30x60 cm  
NATURAL



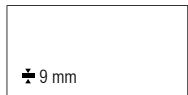
24"x24" - 60x60 cm  
NATURAL

## ICE



 9 mm

4"x12" Rect - 10x30 cm  
NATURAL



12"x24" - 30x60 cm  
NATURAL



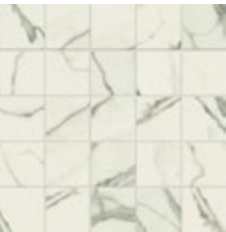
24"x24" - 60x60 cm  
NATURAL


# Suite

COLOURED-BODY PORCELAIN STONEWARE


INTENDED USE: NATURAL   ANTI-SLIP 

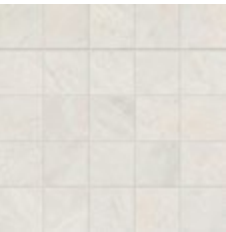
## DECOS




25 PC MOSAIC  
STATUE  
12"x12" - 30x30 cm  
NATURAL  
 9 mm




25 PC MOSAIC  
ARABESQUE  
12"x12" - 30x30 cm  
NATURAL  
 9 mm

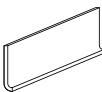



25 PC MOSAIC  
ICE  
12"x12" - 30x30 cm  
NATURAL  
 9 mm

## TRIM PIECES



BULLNOSE  
3"x12" - 8x30 cm  
NATURAL  
 9 mm

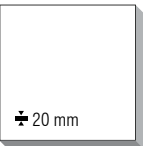


COVE BASE  
6"x12" - 15x30 cm  
NATURAL  
 9 mm

(Cove Base is special order only)

## 20 mm

## ARABESQUE



24"x24" - 60x60 cm  
ANTI-SLIP

















# Suite

COLOURED-BODY PORCELAIN STONEWARE

### TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	≥ <b>450 lbf</b> 9 mm ≥ <b>2800 lbf</b> 20 mm
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 5</b>
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+</b> Interior, Wet Plus - Natural <b>EW</b> Exteriores, Wet -Anti-Slip
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 Slight Variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	INDOOR	-	<b>1/8"</b> - 3.2 mm approx.
	OUTDOOR	-	<b>3/16"</b> - 4.7 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b>		
	24"x24" - 60x60 cm	-	<b>9 mm</b>
	12"x24" - 30x60 cm	-	<b>9 mm</b>
	4"x12" - 10x30 cm	-	<b>9 mm</b>
	24"x24" - 60x60 cm	-	<b>20 mm</b>

(\*) 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
<b>24"x24"</b> Natural	15.82	4	36	569.52	71.65	2,579
<b>12"x24"</b> Natural	15.61	8	32	499.45	64.48	2,063
<b>4"x12" Rect</b> Natural	6.12	20	80	489.28	29.76	2,381
<b>24"x24" 20 mm</b> Anti-Slip	8.03	2	36	289.08	73.85	2,659
<b>25 PC MOSAIC 12"x12"</b> Natural	3.87	4	90	348.30	16.53	1,488
<b>COVE BASE 6"x12"</b> Natural	3.93	8	108	424.44	14.96	1,666
<b>BULLNOSE 3"x12"</b> Natural	5.17	20	112	579.04	19.84	2,222

# Suite

COLOURED-BODY PORCELAIN 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.

### PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



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For further details and to download the certifications please visit our website: [panaria.us](http://panaria.us)







## Wood Look

### Included Collections

Life  
Wood Trend



# Life

GLAZED PORCELAIN STONEWARE













# Life

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## POLAR



± 9 mm

8"x36" - 20x90 cm  
NATURAL

## SMOOTH



± 9 mm

8"x36" - 20x90 cm  
NATURAL

## SMOKE



± 9 mm

8"x36" - 20x90 cm  
NATURAL

## HAY



± 9 mm

8"x36" - 20x90 cm  
NATURAL

## BOURBON



± 9 mm

8"x36" - 20x90 cm  
NATURAL

# Life

GLAZED PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## DECOS



HERRINGBONE MODULUS A-B  
POLAR  
10"x24" - 25x60 cm  
NATURAL  
± 9 mm



HERRINGBONE MODULUS A-B  
HAY  
10"x24" - 25x60 cm  
NATURAL  
± 9 mm



HERRINGBONE MODULUS A-B  
SMOOTH  
10"x24" - 25x60 cm  
NATURAL  
± 9 mm

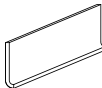


HERRINGBONE MODULUS A-B  
BOURBON  
10"x24" - 25x60 cm  
NATURAL  
± 9 mm



HERRINGBONE MODULUS A-B  
SMOKE  
10"x24" - 25x60 cm  
NATURAL  
± 9 mm

## TRIM PIECES



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

(Cove Base is special order only)

















# Life

GLAZED PORCELAIN STONEWARE

## TECHNICAL FEATURES

COLOURED-BODY PORCELAIN STONEWARE(\*) according to ANSI A137.1 (Porcelain Tiles - P1 Class)

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥ 350 lbf</b>
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 4:</b> POLAR - HAY <b>PEI 3:</b> SMOOTH - BOURBON - SMOKE
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+</b> Interior, Wet Plus - Natural
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 Slight Variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	RECT	-	<b>1/8"</b> - 3.2 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b> 8"x36" - 20x90 cm	-	<b>9 mm</b>

(\*) 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
8"x36" Natural	13.94	7	48	669.00	53.37	2,562
HERRINGBONE MODULUS A-B 10"x24" Natural	5.54	6	35	193.90	27.60	966
COVE BASE 6"x12" Natural	3.87	8	108	417.96	16.50	1,782

# Life

GLAZED PORCELAIN STONEWARE

## INTENDED USE

### KEY

 <b>RESIDENTIAL</b> Kitchens, bathrooms, living rooms and other residential environments.	 <b>LIGHT COMMERCIAL</b> 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.	 <b>INTENSIVE COMMERCIAL</b> Common areas of shopping centres, hotel foyers, canteens, fast food restaurants, dance clubs, hospitals, schools, museums, places of worship, airports, stations.	 <b>OUTDOOR</b> Mainly for external areas that require flooring with anti-slip characteristics.
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## PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



0.5% or less water absorption





**Declare:** A voluntary tool, recognized within the LEED credits, that ensures maximum transparency regarding the chemical composition of Panariagroup products and the total absence of substances considered to be harmful to human health and the environment. Declare is capable of guiding the choices of designers and end consumers towards healthier and more environmentally-friendly products.

**Green Squared:**The logo for Green Squared® involves one industry, one standard, and one mark and covers the gamut of products used in a tile installation. It was the first multi-attribute sustainability standard developed for tiles and tile installation materials. Green Squared® uses the transparency and consensus of the ANSI® process combined with third party certification to evaluate, validate, and communicate products which have a positive impact on the environment and society. Green Squared® covers product characteristics, manufacturing, end of product life management, progressive corporate governance, and innovation in an effort to establish sustainability criteria for products throughout their full life cycle.

**EPD:** This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

**USGBC - LEED:** 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 is available on request.

**Greenguard:** This logo indicates that this product has been tested and received GREENGUARD® Gold Certification (formerly known as GREENGUARD® Children & Schools Certification). GREENGUARD® offers strict certification criteria, considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. It is referenced by both The Collaborative for High Performance Schools (CHPS) and the Leadership in Energy and Environmental Design (LEED®) Building Rating System.

**HPD:** A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

For further details and to download the certifications please visit our website: [panaria.us](https://panaria.us)





# Wood Trend

COLOURED-BODY PORCELAIN STONEWARE















# Wood Trend

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL   

## WHITE OAK



 9 mm

8"x36" - 20x90 cm  
NATURAL

## BIRCH



 9 mm

8"x36" - 20x90 cm  
NATURAL

## ELM



 9 mm

8"x36" - 20x90 cm  
NATURAL

## MAHOGANY



 9 mm

8"x36" - 20x90 cm  
NATURAL

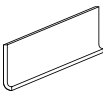
## WALNUT MULTI




 9 mm

8"x36" - 20x90 cm  
NATURAL

## TRIM PIECES



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



COVE BASE CORNER  
6"x1" - 15x2.5 cm  
NATURAL

(Cove Base & Cove Base Corner are special order only)

















Wood Trend

COLOURED-BODY PORCELAIN STONEWARE

TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥350 lbf</b>
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 4</b>
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4,4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IIW+ Interior, Wet Plus - Natural</b>
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 Slight Variation</b> White Oak <b>V3 Moderate Variation</b> Birch - Elm - Mahogany <b>V4 Substantial Variation</b> Walnut Multi
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	NOT RECT (INDOOR)	-	<b>3/16"</b> - 4.7 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b> 8"x36" - 20x90 cm	-	<b>9 mm</b>

(\*) 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
<b>8"x36"</b> Natural	13.94	7	48	669.00	53.37	2,562
<b>COVE BASE</b> 6"x12" Natural	3.87	8	108	417.96	16.50	1,782


Wood Trend


COLOURED-BODY PORCELAIN 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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



0.5% or less water absorption







Certified by



Certified by UL Environment









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For further details and to download the certifications please visit our website: panaria.us







# Chromatic

**Included Collections**

- Playlist
- Playlist+

Playlist\_Classical Beige Soft 8"x8" - 20x20 cm  
Playlist\_Ska Blue Soft 8"x8" - 20x20 cm  
Playlist\_Color Mix Soft 8"x8" - 20x20 cm



# Playlist

COLOURED-BODY PORCELAIN STONEWARE



Classical Beige Soft 8"x8" - 20x20 cm  
Grunge Greige Soft 8"x8" - 20x20 cm  
Folk Green Soft 8"x8" - 20x20 cm  
New-Age Terracotta Soft 8"x8" - 20x20 cm  
Indie Rust Soft 8"x8" - 20x20 cm  
Ska Blue Soft 8"x8" - 20x20 cm  
Synth Black Soft 8"x8" - 20x20 cm  
Color Mix Soft 8"x8" - 20x20 cm





Ambient White Soft 2.75"x11" - 7x28 cm  
 Grunge Greige Soft 2.75"x11" - 7x28 cm  
 Ambient White Soft 8"x8" - 20x20 cm  
 Synth Black Soft 8"x8" - 20x20 cm



Ambient White Soft 2.75"x11" - 7x28 cm  
 Ambient White Soft 8"x8" - 20x20 cm  
 Gothic Grey Soft 8"x8" - 20x20 cm  
 Neutral Mix Soft 8"x8" - 20x20 cm





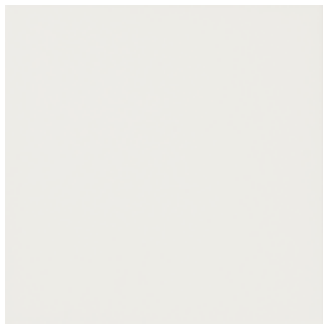


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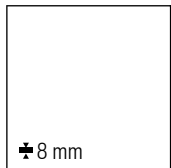
GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

AMBIENT WHITE

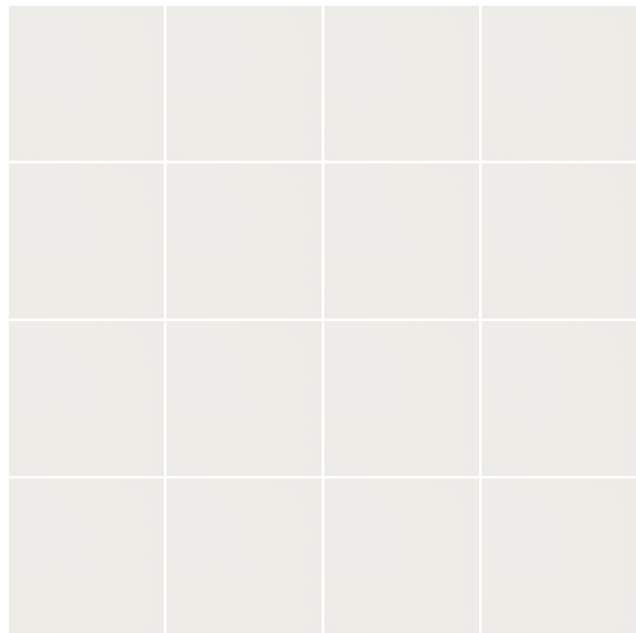


2.75"x11" - 7x28 cm  
SOFT




8"x8" - 20x20 cm  
SOFT

FLOOR VIEW



# Playlist

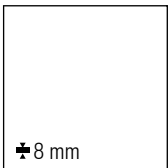
GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

CLASSICAL BEIGE

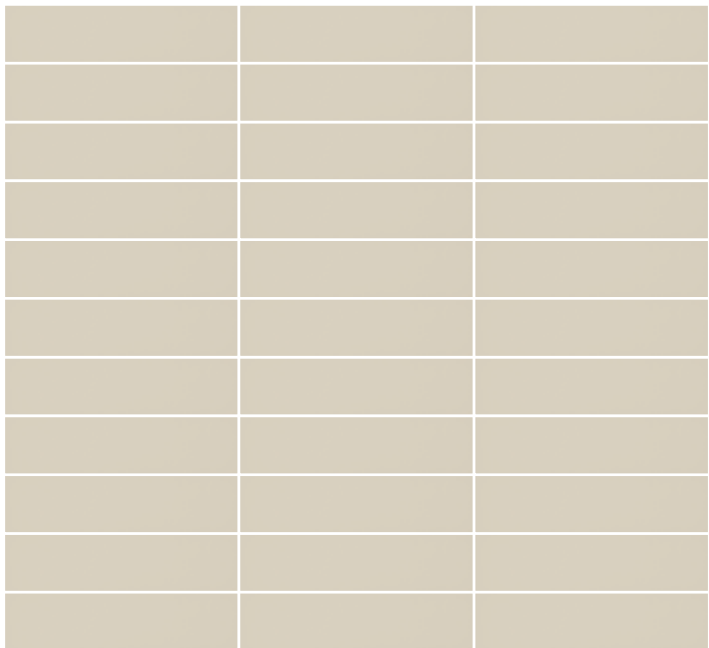


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

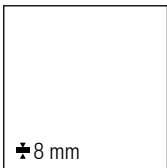
FLOOR VIEW



GRUNGE GREIGE

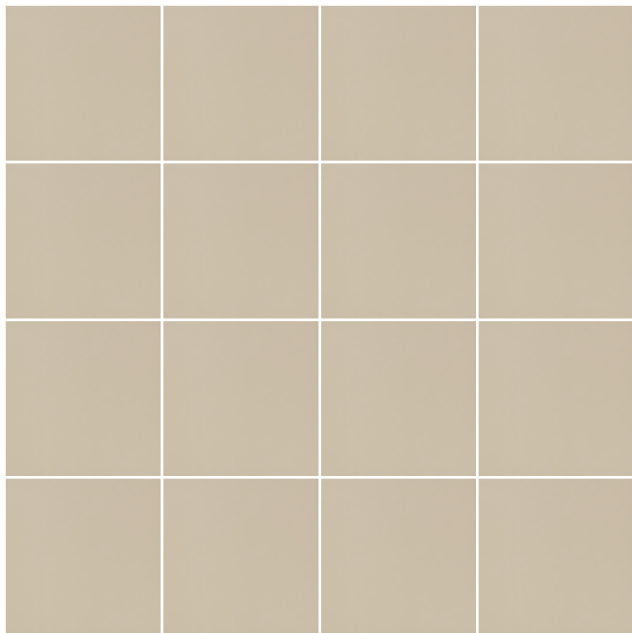


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

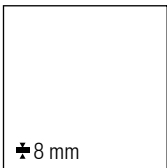
FLOOR VIEW



GOTHIC GREY

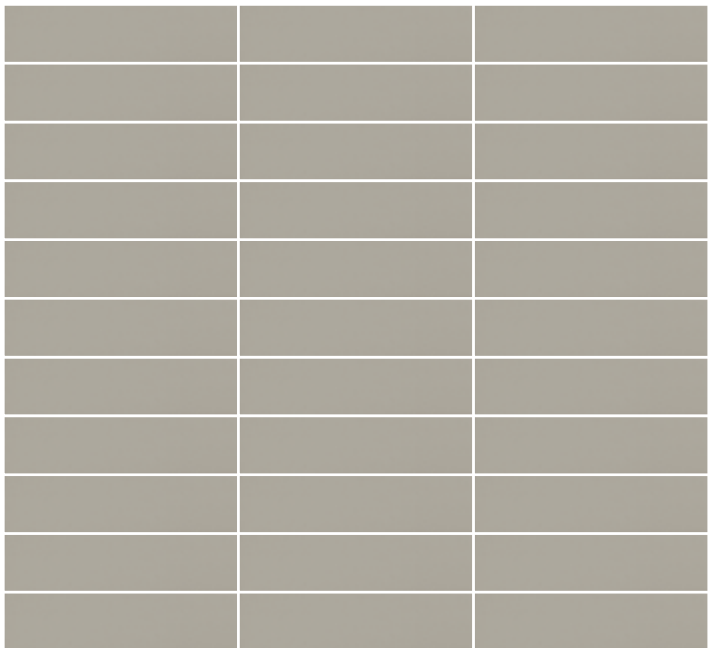


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

FLOOR VIEW





# Playlist

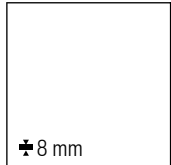
GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

LOUNGE LIGHT GREEN

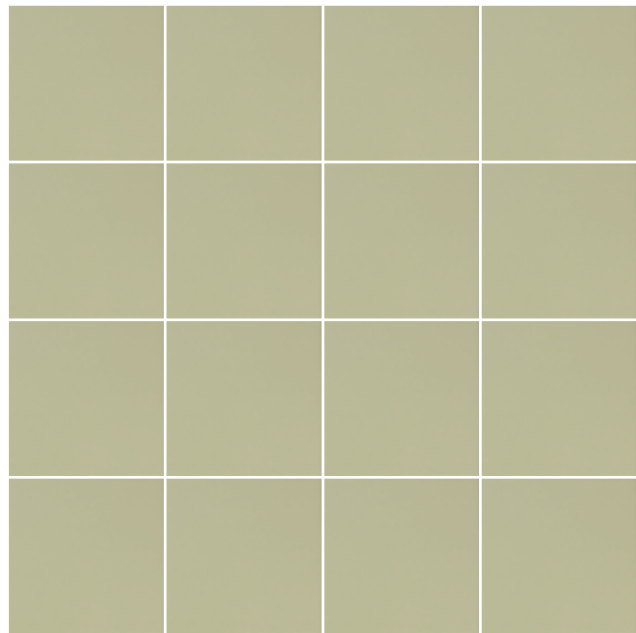


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

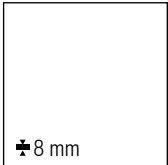
FLOOR VIEW



FOLK GREEN

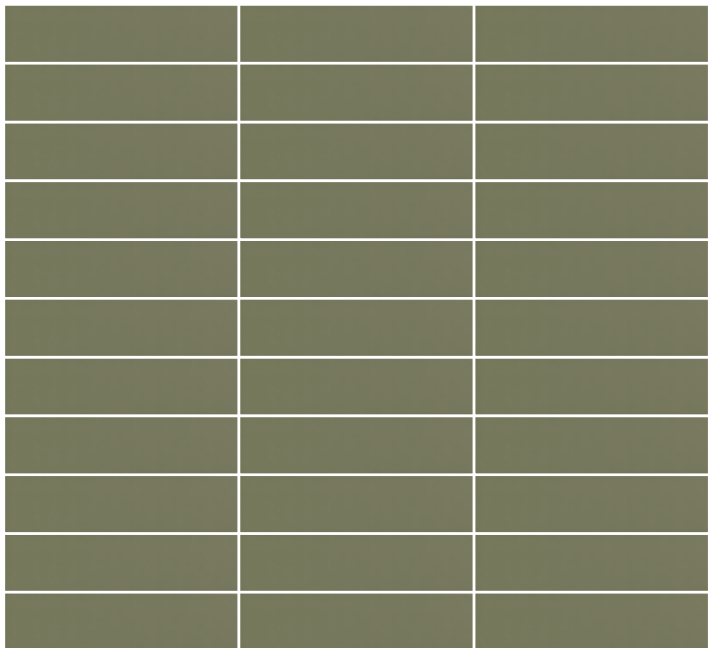


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

FLOOR VIEW



# Playlist

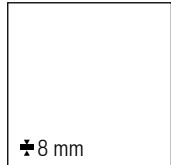
GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

ACOUSTIC AMBER

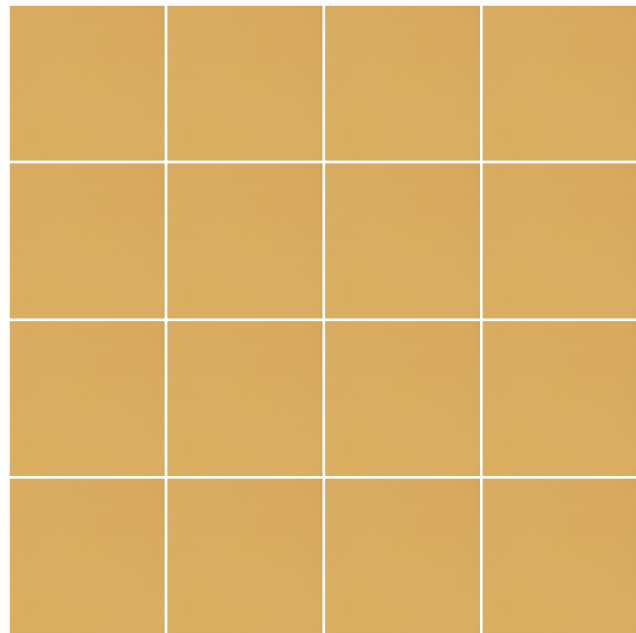


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

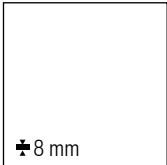
FLOOR VIEW



NEW-AGE TERRACOTTA

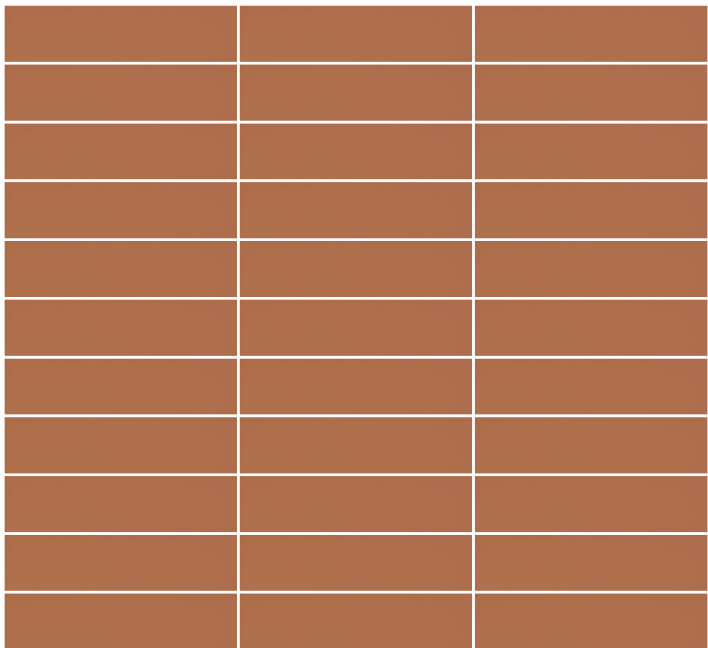


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

FLOOR VIEW





# Playlist

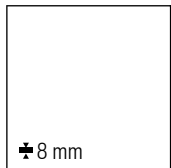
GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

INDIE RUST

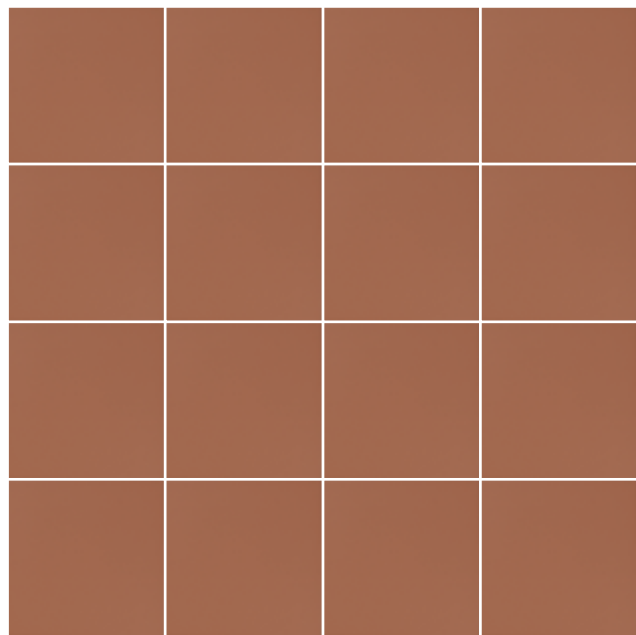


2.75"x11" - 7x28 cm  
SOFT




8"x8" - 20x20 cm  
SOFT

FLOOR VIEW



# Playlist

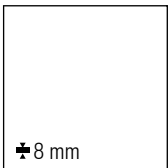
GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

SKA BLUE

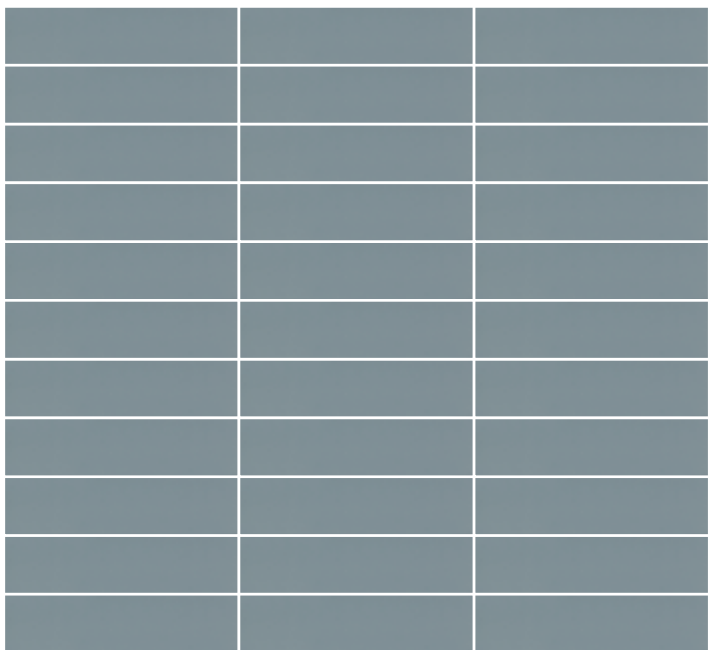


2.75"x11" - 7x28 cm  
SOFT



8"x8" - 20x20 cm  
SOFT

FLOOR VIEW





# Playlist

GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

ACCESSORY



Random assortment of 10 accessories, packaged 16 pieces per carton

COLOR MIX



FLOOR VIEW



# Playlist

GLAZED PORCELAIN STONEWARE

INTENDED USE: SOFT  

ACCESSORY



Random assortment of 10 accessories, packaged 16 pieces per carton

NEUTRAL MIX



FLOOR VIEW



















# Playlist

GLAZED PORCELAIN STONEWARE

## TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥350 lbf</b>
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 3</b>
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+ Interior, Wet Plus - Soft</b>
 <b>SHADE VARIATION</b>	ANSI A137.1	V2	<b>V2 (Slight Variation)</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	NOT RECT (INDOOR)	-	<b>3/16" - 4.7 mm approx.</b>
 <b>THICKNESS</b>	<b>SIZES</b>		
	8"x8" - 20x20 cm	-	<b>8 mm</b>
	2.75"x11" - 7x28 cm	-	<b>8 mm</b>

(\*) 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
8"x8" Soft	6.89	16	72	496.08	28.87	2,129
2.75"x11" Soft	5.06	24	120	607.20	18.36	2,253


# Playlist


GLAZED PORCELAIN 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.

## PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



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# Playlist+

COLOURED-BODY PORCELAIN STONEWARE



Ambient White Soft 12"x24" - 30x60 cm  
Grunge Greige Soft 12"x24" - 30x60 cm  
New-Age Terracotta Soft 12"x24" - 30x60 cm  
Rhythm and Blues Soft 12"x24" - 30x60 cm



Ambient White Soft 12"x24" - 30x60 cm  
Grunge Greige Soft 12"x24" - 30x60 cm  
Folk Green Soft 12"x24" - 30x60 cm  
New-Age Terracotta Soft 12"x24" - 30x60 cm  
Rhythm and Blues Soft 12"x24" - 30x60 cm











Classical Beige Soft 12"x24" - 30x60 cm  
Folk Green Soft 12"x24" - 30x60 cm  
**Playlist** Classical Beige Soft 8"x8" - 20x20 cm  
**Playlist** Lounge Light Green Soft 8"x8" - 20x20 cm  
**Playlist** Folk Green Soft 8"x8" - 20x20 cm



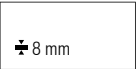


# Playlist+

COLOURED-BODY PORCELAIN STONEWARE

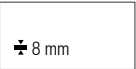
INTENDED USE: SOFT  

## AMBIENT WHITE



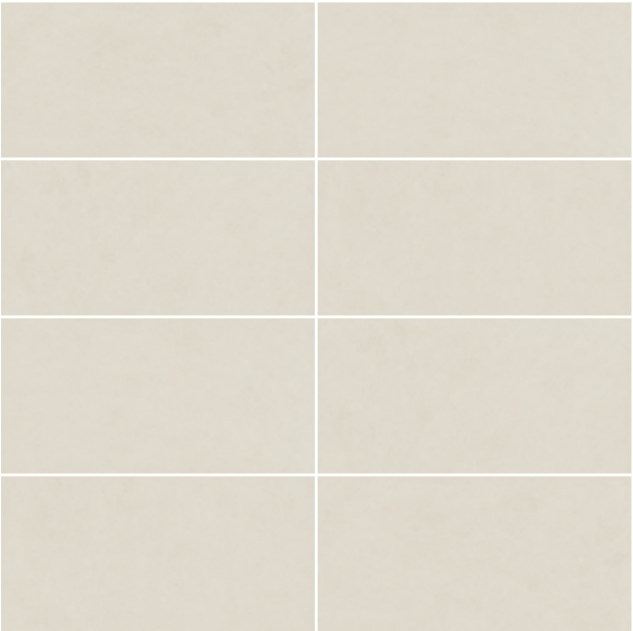
12"x24" - 30x60 cm  
SOFT

## CLASSICAL BEIGE

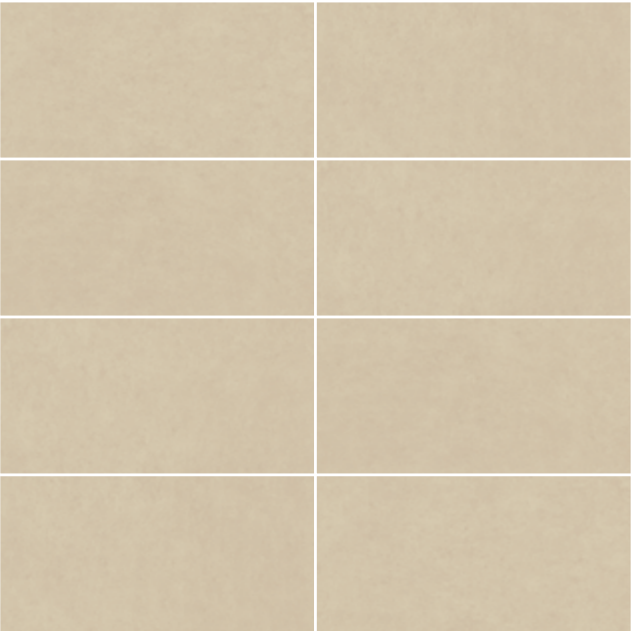


12"x24" - 30x60 cm  
SOFT

## FLOOR VIEW





## FLOOR VIEW



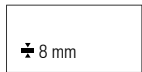


# Playlist+

COLOURED-BODY PORCELAIN STONEWARE

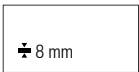
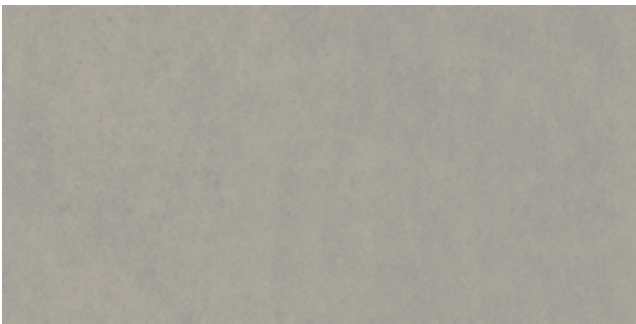
INTENDED USE: SOFT  

GRUNGE GREIGE



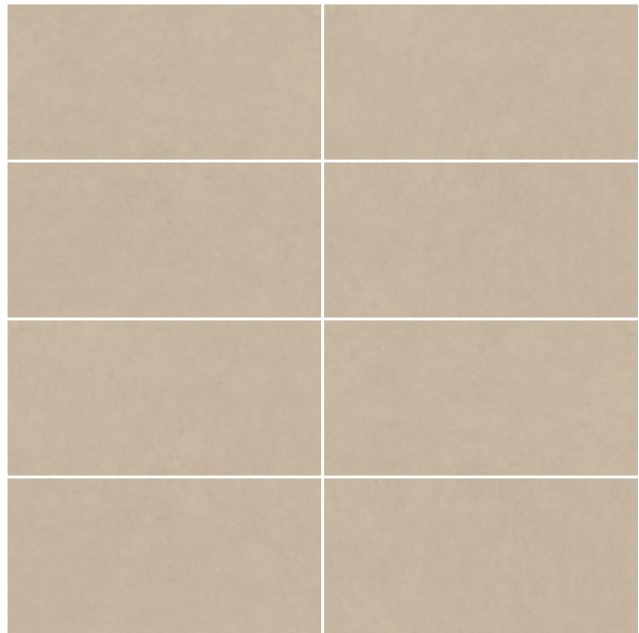
12"x24" - 30x60 cm  
SOFT

GOTHIC GREY

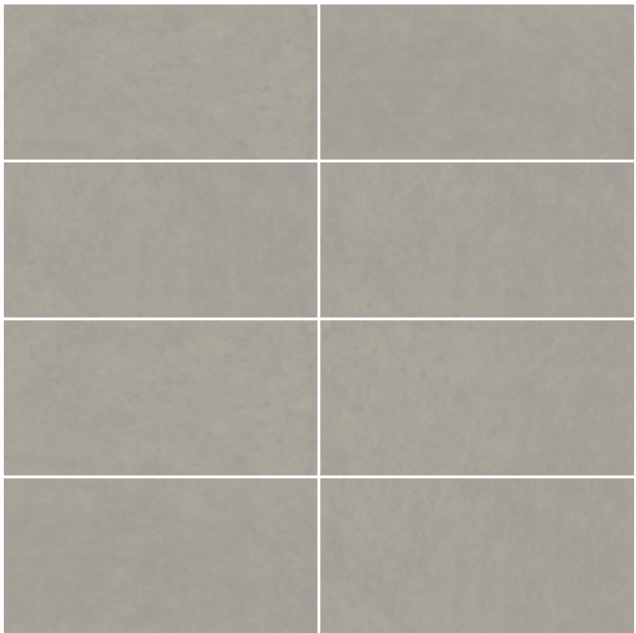


12"x24" - 30x60 cm  
SOFT

FLOOR VIEW





FLOOR VIEW

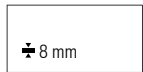
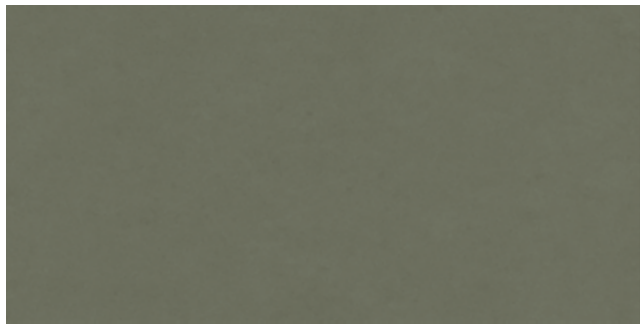


# Playlist+

COLOURED-BODY PORCELAIN STONEWARE

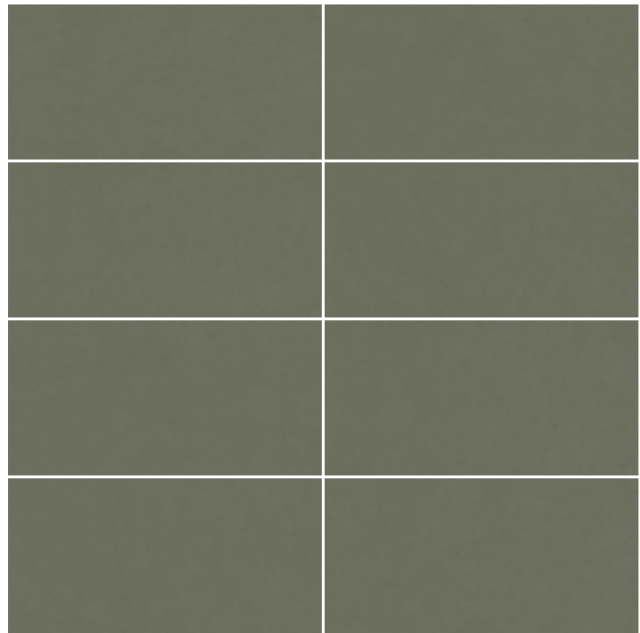
INTENDED USE: SOFT  

FOLK GREEN

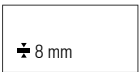


12"x24" - 30x60 cm  
SOFT

FLOOR VIEW

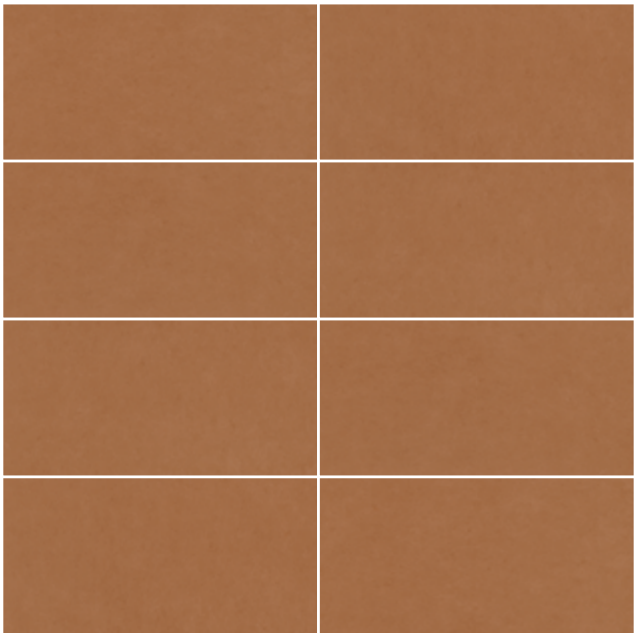


NEW-AGE TERRACOTTA



12"x24" - 30x60 cm  
SOFT

FLOOR VIEW





**P R ( ) T E C T**  
ANTIMICROBIAL SURFACE  
with MICROBAN®

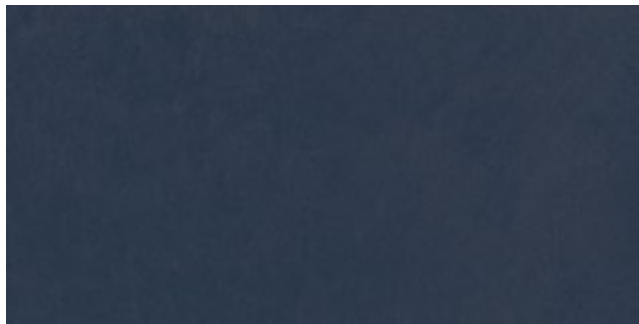



# Playlist+

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: SOFT  

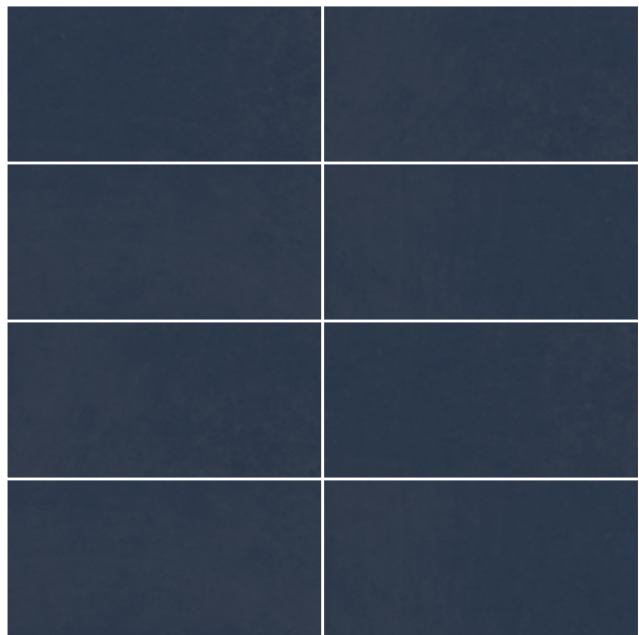
## RHYTHM AND BLUES



 8 mm

12"x24" - 30x60 cm  
SOFT

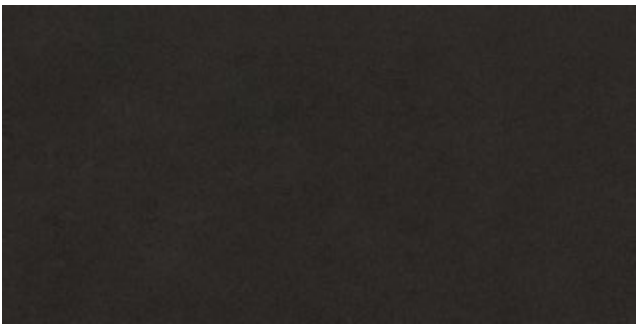
## FLOOR VIEW




P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

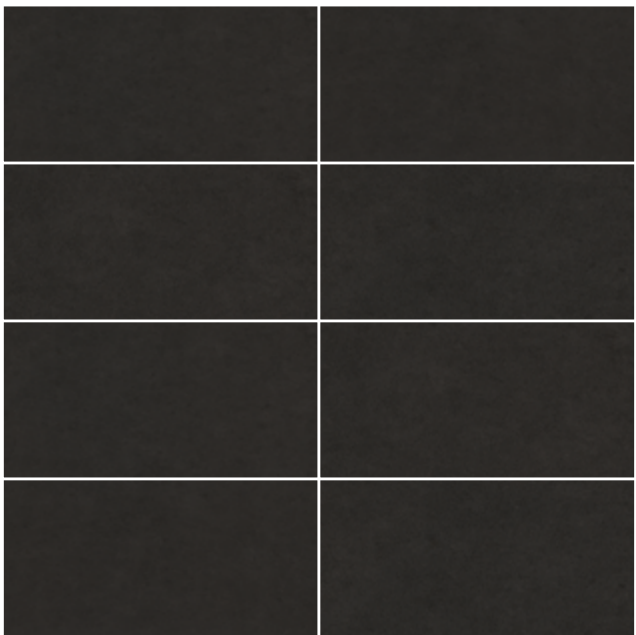
## SYNTH BLACK



 8 mm



12"x24" - 30x60 cm  
SOFT

## FLOOR VIEW

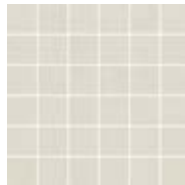



# Playlist+

COLOURED-BODY PORCELAIN STONEWARE


INTENDED USE: SOFT  

## DECOS




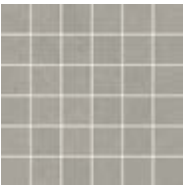
36 PC MOSAIC  
AMBIENT WHITE  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm



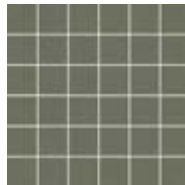
36 PC MOSAIC  
CLASSICAL BEIGE  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm




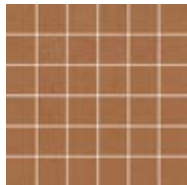
36 PC MOSAIC  
GRUNGE GREIGE  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm




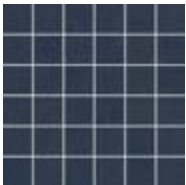
36 PC MOSAIC  
GOTHIC GREY  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm




36 PC MOSAIC  
FOLK GREEN  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm




36 PC MOSAIC  
NEW-AGE TERRACOTTA  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm

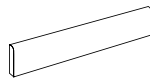



36 PC MOSAIC  
RHYTHM AND BLUES  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm



36 PC MOSAIC  
SYNTH BLACK  
12"x12" Rect - 30x30 cm  
SOFT  
 8 mm

## TRIM PIECES



BULLNOSE  
4"x24" - 10x60 cm  
SOFT  
 8 mm

All colors available

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

















Playlist+

COLOURED-BODY PORCELAIN STONEWARE

TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥350 lbf</b>
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 3</b>
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	Not Required	<b>α ≤ 4.4 x 10<sup>-6</sup> °F<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>AS REPORTED</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	No sample must show visible signs.	<b>CONFORMS</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	Porcelain A326.3	<b>IW+ Interior, Wet Plus</b>
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 (Slight Variation)</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	NOT RECT (INDOOR)	-	<b>3/16" - 4.7 mm approx.</b>
 <b>THICKNESS</b>	<b>SIZES</b> 12"x24" - 30x60 cm	-	<b>8 mm</b>

(\*) 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
12"x24" Soft	18.00	9	32	576.00	59.10	1,941
36 PC MOSAIC 12"x12" Rect Soft	4.84	5	90	436.05	15.10	1,409
BULLNOSE 4"x24" Rect Soft	9.82	16	60	589.20	33.80	2,078

The colors of Playlist+ complement select colors of the Playlist collection.




Playlist+


COLOURED-BODY PORCELAIN STONEWARE


INTENDED USE: SOFT  

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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS





**Declare:** A voluntary tool, recognized within the LEED credits, that ensures maximum transparency regarding the chemical composition of Panariagroup products and the total absence of substances considered to be harmful to human health and the environment. Declare is capable of guiding the choices of designers and end consumers towards healthier and more environmentally-friendly products.

**Green Squared:**The logo for Green Squared® involves one industry, one standard, and one mark and covers the gamut of products used in a tile installation. It was the first multi-attribute sustainability standard developed for tiles and tile installation materials. Green Squared® uses the transparency and consensus of the ANSI® process combined with third party certification to evaluate, validate, and communicate products which have a positive impact on the environment and society. Green Squared® covers product characteristics, manufacturing, end of product life management, progressive corporate governance, and innovation in an effort to establish sustainability criteria for products throughout their full life cycle.

**EPD:** This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

**USGBC - LEED:** 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 is available on request.

**Greenguard:** This logo indicates that this product has been tested and received GREENGUARD® Gold Certification (formerly known as GREENGUARD® Children & Schools Certification). GREENGUARD® offers strict certification criteria, considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. It is referenced by both The Collaborative for High Performance Schools (CHPS) and the Leadership in Energy and Environmental Design (LEED®) Building Rating System.

**HPD:** A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

For further details and to download the certifications please visit our website: panaria.us







## Fabric Look

### Included Collections

Craft



# Craft

COLOURED-BODY PORCELAIN STONEWARE











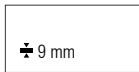


# Craft

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## COTTON



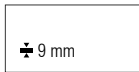
12"x24" Rect - 30x60 cm  
NATURAL

## ROPE



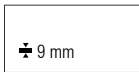
12"x24" Rect - 30x60 cm  
NATURAL

## QUILT



12"x24" Rect - 30x60 cm  
NATURAL

## YARN



12"x24" Rect - 30x60 cm  
NATURAL

## WOOL



12"x24" Rect - 30x60 cm  
NATURAL

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

# Craft

COLOURED-BODY PORCELAIN STONEWARE

INTENDED USE: NATURAL  

## DECOS



BASKETWEAVE  
COTTON  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



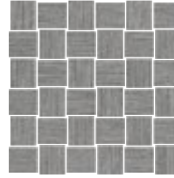
BASKETWEAVE  
YARN  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



BASKETWEAVE  
ROPE  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



BASKETWEAVE  
WOOL  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



BASKETWEAVE  
QUILT  
12"x12" Rect - 30x30 cm  
NATURAL  
± 9 mm



HERRINGBONE MOD A-B  
COTTON  
10"x24" Rect - 25x60 cm  
NATURAL  
± 9 mm



HERRINGBONE MOD A-B  
YARN  
10"x24" Rect - 25x60 cm  
NATURAL  
± 9 mm



HERRINGBONE MOD A-B  
ROPE  
10"x24" Rect - 25x60 cm  
NATURAL  
± 9 mm

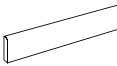


HERRINGBONE MOD A-B  
WOOL  
10"x24" Rect - 25x60 cm  
NATURAL  
± 9 mm

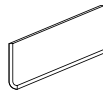


HERRINGBONE MOD A-B  
QUILT  
10"x24" Rect - 25x60 cm  
NATURAL  
± 9 mm

## TRIM PIECES



BULLNOSE  
3"x12" - 8x30 cm  
NATURAL  
± 9 mm



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



Craft















COLOURED-BODY PORCELAIN STONEWARE

P R ( ) T E C T ®

ANTIMICROBIAL SURFACE  
with MICROBAN®

TECHNICAL FEATURES

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

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	CRAFT AVERAGE VALUES
 <b>WATER ABSORPTION</b>	ASTM C373	≤ 0,5%	<b>CONFORMS</b>
 <b>BREAKING STRENGTH</b>	ASTM C648	≥ 250 lbf	<b>≥ 450 lbf</b> 9 mm
 <b>SURFACE ABRASION RESISTANCE</b>	ASTM C1027	As indicated by manufacturer	<b>PEI 5:</b> COTTON, YARN, ROPE, WOOL <b>PEI 4:</b> QUILT
 <b>LINEAR THERMAL EXPANSION</b>	ASTM C372	No provision	<b>α ≤ 4,4 x 10<sup>-6</sup> °F<sup>-1</sup></b> <b>α ≤ 8 x 10<sup>-6</sup> °C<sup>-1</sup></b>
 <b>STAIN RESISTANCE</b>	ASTM C1378	As indicated by manufacturer	<b>A RESISTANT</b>
 <b>CHEMICAL RESISTANCE<sup>(*)</sup></b>	ASTM C650	As indicated by manufacturer	<b>A RESISTANT</b>
 <b>FROST RESISTANCE</b>	ASTM C1026	As indicated by manufacturer	<b>RESISTANT</b>
 <b>BOND STRENGTH</b>	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
 <b>SLIP RESISTANCE</b>	ANSI A326.3	-	<b>IW+</b> Interior, Wet Plus - Natural
 <b>SHADE VARIATION</b>	ANSI A137.1	As indicated by manufacturer	<b>V2 Slight variation</b>
 <b>FLAME SPREAD</b>	ASTM E84	-	<b>Class A</b>
 <b>THERMAL CONDUCTIVITY</b>	EN 12524	-	<b>λ = 1,3 W/m °K / 0.7 BTU/ft h °F</b>
 <b>RECOMMENDED MINIMUM JOINT<sup>(**)</sup></b>	RECT (INDOOR)	-	<b>1/8"</b> - 3.2 mm approx.
 <b>THICKNESS</b>	<b>SIZES</b>		
	12"x24" Rect - 30x60 cm	-	<b>9 mm</b>

(\*) 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.

PACKINGS AND WEIGHTS

SIZES	SF / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
12"x24" Rect Natural	15.61	8	32	499.45	64.48	2,063
COVE BASE 6"x12" Natural	3.87	8	108	417.96	16.53	1,785
BULLNOSE 3"x12" Rect Natural	5.17	20	112	579.04	19.84	2,222

Craft


COLOURED-BODY PORCELAIN STONEWARE


P R ( ) 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.

PRODUCT CERTIFICATIONS AND DECLARATIONS FOR BUILDINGS



0.5% or less water absorption



















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For further details and to download the certifications please visit our website: panaria.us





# Care & Maintenance

## ROUTINE CARE FOR YOUR TILE

Ceramic tile is one of the most durable and maintenance friendly surfaces you can choose for your walls, floors, countertops, etc. With proper care and minimum maintenance, tile will retain its original beauty and luster for many years. Generally, all that is necessary to keep your tile looking as good as new is a quick wipe with a clean damp cloth or mop. Prompt cleanup of spills and regular cleaning will keep your ceramic tile surfaces looking their best.

If a cleaner is necessary, Panaria Ceramica USA recommends the use of low VOC (volatile organic compound), neutral pH, non-hazardous, and non-polluting products.

Glazed tile walls in your home will easily keep their lovely look with simple routine care-just wipe regularly with a clean damp cloth or sponge. A non-abrasive, neutral cleaner can be used (abrasive cleansers will cause scratching to shiny tile and polished marble surfaces). Highly polished tile and stone surfaces should be polished dry with a soft absorbent cloth after cleaning to eliminate the buildup of hard water residue and to maintain the high-polished finish.

For glazed tile floors, sweep or vacuum regularly to remove dirt and gritty particles. Follow with a mop or sponge dampened with a neutral pH cleaner. If a cleaner is used, be sure the surface is rinsed thoroughly with clean water and dried. For textured or uneven tile or stone surfaces, substituting a soft scrub brush or white nylon scrub pad for the mop or sponge will quicken the cleaning process. Unglazed tile floors and porcelain tile floors can also be maintained in this same manner.

Tiled surfaces in your bathroom may require a more thorough routine cleaning because of a buildup of soap scum, body oils, or hard-water stains. Use a clean, damp cloth, or sponge with a neutral pH cleaner, allowing it to stand about five minutes before rinsing and drying. Specialty bathroom cleaners may also be used (always test first). Clean shower regularly with the appropriate tile and stone cleaner. Dry with a towel after each use and leave curtain or door open between showers to allow for maximum ventilation and moisture escape.

LIST OF NEUTRAL CLEANERS	
MANUFACTURER	PRODUCT
OMNI®	Concentrated Cleaner, Deep Cleaner
STONETECH®	Stone & Tile Cleaner Revitalizer

## HEAVY DUTY CLEANING

For high-traffic areas or when tile has been neglected for a long time, heavy-duty cleaning may be required.

Glazed walls and countertops should be cleaned with an alkaline-based cleaner (high pH, non-acidic). Use a white nylon scrub pad, followed by a clean water rinse. Poultice may be used in combination with any appropriate cleaner, if needed, to restore seriously soiled areas. Poultice is a very fine powder that serves as a mild abrasive, yet cannot cause scratching to even the most delicate glazed tile and polished marble surfaces. Unglazed tile and natural stone can be treated in the same manner as glazed when heavy-duty cleaning is required. Once the tile or stone has been effectively restored and is dry, it is recommended that the appropriate sealer be applied to protect from staining and ease ongoing maintenance.

To clean badly soiled countertops, an appropriate alkaline cleaner is recommended. Poultice can be lightly sprinkled onto the wet cleaner solution and scrubbed with a white nylon scrub pad or medium nylon scrub brush to facilitate cleaning. Rinse thoroughly. For glazed tile floors, the same products and procedures are recommended.

For showers, tub surrounds, or other wet areas, light acidic cleaners are recommended to remove hard water mineral deposits. These acidic cleaners are not recommended on acid-sensitive surfaces such as metallic glazes or marble. For acid-sensitive surfaces, a neutral or alkaline cleaner, used in combination with Poultice is recommended. Never use harsh acids such as hydrochloric (muriatic) or hydrofluoric, as these acids, and even the acid fumes, can cause damage to tile, stone, grout, humans and pets! The accepted acids (use sparingly) for homeowners use are mild citric, sulfamic, and phosphoric. Always test first for desired results.

## DO'S & DON'TS

- Do regularly apply a water based penetrating sealer on all natural stone products.
- Always do a small test with sealers & cleaners to ensure desired results.
- Do use a sealer on grout joints; except for 100% solid epoxy grout.
- Do use only non-abrasive cleaning compound or formula that is recommended for both glass and tile when cleaning glass tile.
- Do see your nearest Distributor for advice on special cleaning problems or if you have any questions.
- Do read and follow label directions for all cleaners and sealers.
- Don't combine ammonia and household bleaches.
- Don't use harsh cleaning agents such as steel wool pads or strong acids, which can scratch or damage the surface of your tile.
- Don't use a cleaning agent that contains color on unglazed tile, natural stone, or white grout, as these porous surfaces may absorb the color.

## MURALS, RESINS, GLASS, CAST STONE FIXTURES & METALS

Wipe clean with a damp cloth or sponge using a neutral, non-abrasive cleanser. Be sure any cleaner residue is removed with a clean water rinse. Clean with alkaline tile

cleaner or all-purpose cleaner using a soft cloth. Rinse with clean water and dry with a soft towel. Cast Stone Fixtures and Cast Decors are pre-sealed in manufacturing with water based, liquid silicone rubber dispersed sealer. For re-sealing, the sealing product should also be the same

type as the previous sealer for best penetration. For more detailed information on glass tile installation and maintenance, review the TCNA (Tile Council of North America) Handbook Guidelines.

TYPE OF CONTAMINATE	TYPE OF CLEANER	NAME OF CLEANER	MANUFACTURER
Coffee, soft drinks, fruit juice	Alkaline-based cleaner	Deep Cleaner, Heavy Duty Cleaner, Elite Cleaner	OMNI®
		KlenzAll™	STONETECH®
Grease, dirt from traffic, deep-cleaning	Alkaline-based cleaner	Deep Cleaner, Heavy Duty Cleaner, Elite Cleaner	OMNI®
		KlenzAll™	STONETECH®
Wine	Oxidizing cleaner	Poultice Stain Remover	OMNI®
		Restore™	STONETECH®
Hard water spots	Acid-based cleaner	Buffered Acid Cleaner, Sulfamic Acid Cleaner	OMNI®
		Buffered Acid Cleaner, Sulfamic Acid Cleaner	OMNI®
Rust	Acid-based cleaner	Poultice Stain Remover (non-acid)	OMNI®
		Restore™	STONETECH®
Tire, pencil, metal marks	Abrasive paste	Elite Cleaner, Poultice Stain Remover (non-acid)	OMNI®
Ink, marker	Solvent-based cleaner	Epoxy Grout Haze Remover & Coating Stripper	STONETECH®
		Sealer Remover, Poultice Stain Remover (non-solvent)	OMNI®
Dirty grout	Grout cleaner	DeepKlenz™	STONETECH®
		Back-To-New Grout Cleaner, Deep Cleaner	OMNI®
		Concentrated Cleaner, Heavy Duty Cleaner	OMNI®
Any	Neutral wax-free cleaner	Stone & Tile Cleaner	STONETECH®
		Concentrate Cleaner, Deep Cleaner	OMNI®



# Technical Data

## ACID RESISTANCE

ASTM® C-650 is the standard test method for determining resistance of ceramic tile to chemical substances. The glazed surface of Panaria Ceramica USA products is resistant to virtually all caustic and corrosive liquids. Typical exceptions are fluorides and concentrated hydrochloric acid.

## BREAK STRENGTH

ASTM® C-648 describes the standard test method for determining structural strength of ceramic tile. This test provides a means for establishing whether or not ceramic tile meets the strength requirements which may be required for a specific installation procedure, and its ability to withstand load and impact. The ANSI® standard requires an average breaking strength of 125 lbf. for wall tiles and 250 lbf. for floor tiles. Tiles installed on floors with adhesives may require higher breaking strengths.

## CALIBERS

Tiles shrink during firing. To accommodate this shrinkage, we measure each tile as it comes down the line and assign it a caliber based on ANSI® requirements for size variation. Tiles with different calibers should be compared prior to installation to make sure they will work well together. A wider grout joint will help accommodate the size difference within and between calibers.

## DYNAMIC COEFFICIENT OF FRICTION

Sometimes called kinetic coefficient of friction. This is the ratio of the force necessary to keep a surface already in motion sliding over another surface divided by the weight (or normal force) of the sliding object. \*Different contaminants such as dirt, water, soap, oil, or grease can change this value.

## FROST RESISTANCE

ASTM® C-1026 describes the standard test method for determining ceramic tile’s ability to withstand repeated cycles of freezing and thawing. It determines the ability of tile to resist damage or deterioration when tested in freezing and thawing situations such as those found in central and northern sections of the United States.

## INSTALLATION

Panaria Ceramica USA recommends that all installations of its product comply with applicable parts of ANSI® A-108 series for ceramic tile installation. For any information, including technical questions related to the underlayment, use of setting materials, or other installation related questions, contact the Tile Council of North America. You can reach them at [techinfo@tile-usa.com](mailto:techinfo@tile-usa.com) or you can view the TCNA Installation Handbook at <https://www.tcnatile.com/products-and-services/publications.html>

- Use a grout joint that is at minimum 3 times the variation of the tile as per ANSI® A108.02 Section 4.3.8 Grout Joint Size: In the case of Panaria Ceramica USA, all rectified product shall have, on average, no less than a 1/8 in. grout joint.
- Minimize the variation in the substrate in order to accommodate the above minimal grout joint as per ANSI® A108/A118/ A136.1 - American National Specifications for the Installation of Ceramic Tile, specifically A108.01 Section 2.6.2.2 and similarly in A108.02 Section 4.1.4.3.1.

## GAUGED PORCELAIN TILE PANELS (GPTP)

Also known as large panel porcelain slabs, thin porcelain tile, or large format porcelain slabs, gauged porcelain is known for its beauty, durability, ease of maintenance, and its lack of grout joints. GPT has been defined as tiles that measure 1 x 1 meter (~36 x 36 inches) or smaller, while GPTP are equal to or larger than 1 x 1 meter. Tile Council North America (TCNA) recognizes two classes of gauged tile products are defined — those for wall applications, from 3.5 to 4.9 mm in thickness, and those for floor applications, from 5 to 6.5 mm in thickness.

## MOH’S HARDNESS

Scratch resistance of glazes is measured by scratching the glaze with a mineral of known hardness. Hardness of minerals is classified by Moh’s Scale, which lists 10 minerals according to their hardness. Each mineral in this scale will scratch those with lower numbers in the scale, but will not scratch minerals with higher numbers. Talc is classified as number one on the Moh’s Scales and diamond ten. Resilient flooring materials, such as vinyl and asphalt tile, are relatively soft and can be scratched by talc, number one on the scale. White polished marble can be scratched by calcite, which is number three. Black marble rates a four and can be scratched by fluorite. Most glazes used on ceramic tile fall in the five to six range, which is also slightly harder than most steels. Case-hardened steel, such as what is used in drill bits used for drilling holes in steel, is approximately six and will scratch most glazes. Some glazes used on ceramic tiles designed for floor use cannot be scratched by a case-hardened drill bit. Quartz, number 7 on Moh’s Scale, will scratch most glazes and all but the hardest unglazed ceramic tiles. Sand is a common example of natural quartz.

## OUTDOOR INSTALLATIONS

Porcelain tile is appropriate for exterior wall (vertical) installations. Horizontal applications require additional considerations such as if the area will be covered or exposed to the elements. Only tile with a Product Use Classification of “Exterior, Wet” should be used in outdoor installations. Any hard surface flooring will be slippery when covered in standing water, ice, grease, or leaves. Regular cleaning, maintenance, and inspection of the surface is critical to a successful outdoor tile installation.

## RECTIFIED TILE

Rectification is a process of ceramic tile manufacturing in which all sides of a tile are cut with specialized machines. This creates a ceramic tile with perfectly square edges and reduces size variation between tiles, essentially creating a mono-caliber product. This has a practical application in uniformity and ease of installation, but it also has an aesthetic benefit. By allowing a reduced grout joint (within ANSI® requirements) the installation is better suited to more contemporary tastes, and stays cleaner with less grout.

## RUNNING BOND/BRICK JOINT PATTERNS

Grout Joints- For running bond/brick joint patterns utilizing tiles (square or rectangle) with any size greater than 15 in. the grout shall be, on average, a minimum of 1/8 in. wide for rectified tile and, on average, a minimum of 3/16 in. wide for calibrated (non-rectified) tiles.

Offset- For running bond/brick joint patterns utilizing tiles (square or rectangular) where the side being offset is greater than 15 in. (nominal dimension), the running bond offset will be a maximum of 33% unless otherwise specified by the tile manufacturer. If an offset greater than 33% is specified, specifier and owner must approve mock-up and lippage.

## SHADES

Panaria Ceramica USA assigns all of our tiles a shade based on comparison to a target piece. We also add a ‘lot letter’ (commonly referred to as the ‘dye lot’) that differentiates tiles from different runs. Tiles with different shades should be compared prior to installation to make sure they are a good match and should be well mixed during installation.

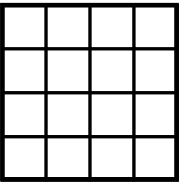
## SHADE BLENDING

Designed to simulate a natural surface by using a combination of ceramic/porcelain processes, shade and texture variations are inherent in these nature-inspired products. These types of tiles are packed by shade blends and not specific shades. Products of a common shade blend type may be used together. Specific product lots are identified by the last letter of the shade code.

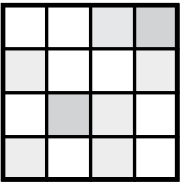
## TECHNICAL SPECIFICATION

Tiles manufactured by Panaria Ceramica USA and marked standard grade meet or exceed the recommended standard specification for ceramic tile, ANSI® A137.1. All products are formulated using high-quality clays specifically designed for density and strength, then pressed, glazed and fired. Note that the data represented in this literature represents typical test results of randomly selected “standard” products.

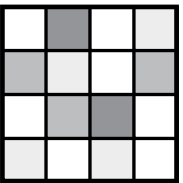
### SHADE VARIATION



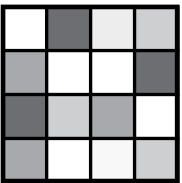
**V1 Uniform Appearance**  
Differences among pieces from the same production run are minimal.



**V2 Slight Variation**  
Clearly distinguishable differences in texture and/or pattern with similar colors.



**V3 Moderate Variation**  
While the colors present on a single piece of tile will be indicative of the colors to be expected on the other tiles, the amount of colors on each piece may vary significantly. For example “that little bit of color” on one piece of tile may be the primary color on the next piece.







**V4 Random Variation**  
Random color differences from tile to tile, so that one tile may have totally different colors from that on other tiles. Thus, the final installation will be unique.





## PLEASE NOTE:

- Not all flooring products are suitable for wet areas, specialized applications or commercial use. Please refer to the American National Standard Specifications for Ceramic Tile (ANSI® A137.1) for ceramic, stone, and glass installation for specific usage and installation information.
- In order to provide as many size formats as possible, some sizes may be originally pressed as larger formats and then professionally cut to size.
- Country of origin and other product features and characteristics are subject to change due to manufacturing efficiencies and other factors. See retailer or product packaging to verify country of origin and other product characteristics.



Intended Uses

LEGEND	 RESIDENTIAL	 LIGHT COMMERCIAL	 INTENSIVE COMMERCIAL	 OUTDOOR
STONE LOOK				
CONTEMPORARY	SOFT - LEATHER	SOFT - LEATHER	-	ANTI-SLIP
FLOW	NATURAL	NATURAL	-	-
MOONDANCE	NATURAL	NATURAL	-	ANTI-SLIP
TERRAZZO	NATURAL	NATURAL	-	-
CONCRETE LOOK				
HOME	NATURAL	NATURAL	-	ANTI-SLIP
METROPOLITAN	NATURAL	NATURAL	-	-
MARBLE LOOK				
LUXE ENSEMBLE	SOFT - LUX	SOFT - LUX	-	-
PRESTIGE	SOFT - LUX	SOFT - LUX	-	-
SUITE	NATURAL	NATURAL	-	ANTI-SLIP

LEGEND	 RESIDENTIAL	 LIGHT COMMERCIAL	 INTENSIVE COMMERCIAL	 OUTDOOR
WOOD LOOK				
LIFE	NATURAL	NATURAL	-	-
WOOD TREND	NATURAL	NATURAL	-	-
CHROMATIC				
PLAYLIST	SOFT	SOFT	-	-
PLAYLIST+	SOFT	SOFT	-	-
FABRIC LOOK				
CRAFT	NATURAL	NATURAL	-	-

**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. In areas subjected to forced traffic, or areas where chairs with hard plastic wheels are used, it is not advisable to use products with the LUX finishes.

**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.

**NOTE**

The LUX finishes are recommended for wall cladding as well as flooring in residential or light commercial areas that are not subjected to heavy traffic, where anti-slip characteristics are not required. The occasional presence of small inconsistencies or little spots on the surface is to be considered a characteristic of the material and of its unique production process. If the product is laid in direct contact with external environments, it is recommended to use protective solutions to reduce scratches. It is the installer’s responsibility to protect the finished and clean tiling before the delivery to the client, by using appropriate protective materials (e.g. chipboard, cardboard sheets, etc.). In areas that are subjected to heavy concentrated loads it is not recommended to use low thickness products.



# Product Use Classifications

**ANSI A326.3**

**ANSI A326.3** (American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials) features a five-category product use classification system that allows manufacturers to communicate areas for possible use based on the slip resistance characteristics of their products.

The five product use categories are as follows:

CLASSIFICATION	REFERENCE CATEGORY	CRITERIA
Interior, Dry	ID	≥ 0.42 dry DCOF (Per Section 10.1)
Interior, Wet	IW	≥ 0.42 wet DCOF (Per Section 9.1) or Manufacturer-Declared
Interior, Wet Plus	IW+	Manufacturer-Declared Standards > ANSI A326.3 generally accepted minimum conditions
Exterior, Wet	EW	Manufacturer-Declared Standards > ANSI A326.3 generally accepted minimum conditions
Oils/Greases	O/G	Manufacturer-Declared Standards > ANSI A326.3 generally accepted minimum conditions

According to the standard, hard surface flooring products shall be classified into one or more of the categories. Additionally, the standard provides informative notes for each category that state generally accepted minimum conditions.

# Warranty

**PANARIA CERAMICA USA'S LIMITED WARRANTY**

Panaria Ceramica USA warrants Panaria Ceramica USA branded tile products and all other products manufactured by Panaria Ceramica USA (“Panaria Ceramica USA Products”) to meet or exceed the applicable requirements of American National Specifications Institute, Specification ANSI A137.1-2012. Panaria Ceramica USA further warrants Panaria Ceramica USA Products to conform to any specific physical properties stated in Panaria Ceramica USA's then-current product literature, and to be reasonably free from manufacturing defects.

**RESIDENTIAL LIMITED LIFETIME WARRANTY**

The warranty set forth above for Panaria Ceramica USA Products installed in a residence will remain in effect for as long as the original purchaser owns his or her home and is non-transferable.

**COMMERCIAL LIMITED WARRANTY**

Panaria Ceramica USA defines a commercial installation as any structure other than a dwelling occupied by the owner of the tile. The warranty set forth above for Panaria Ceramica USA Products installed in a commercial installation will extend for a period of 18 months from the date of shipment of the product.

**THIRD PARTY PRODUCTS**

All products sold by Panaria Ceramica USA other than Panaria Ceramica USA Products (“Third Party Products”) shall be sold subject to the manufacturer’s express warranties. Panaria Ceramica USA makes no other warranty with respect to Third Party Products.

**WARRANTY LIMITATIONS**

THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS RESIDENTIAL LIMITED LIFETIME WARRANTY AND COMMERCIAL LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT, ARISING OUT OF, OR AS A RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, USE, LOSS OF USE OR FOR ANY CHARGES OR EXPENSES OF ANY NATURE, INCURRED WITHOUT PANARIA CERAMICA USA'S PRIOR WRITTEN CONSENT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

**IMPLIED WARRANTY**

WE LIMIT THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO THE DURATION OF THIS RESIDENTIAL LIMITED LIFETIME WARRANTY AND COMMERCIAL LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

**WHAT IS NOT COVERED**

Panaria Ceramica USA's warranty is limited to providing replacement tile or refunding the purchase price, at Panaria Ceramica USA's sole discretion, which shall be Purchaser's exclusive remedy. This warranty does not cover damage due to: improper fabrication, installation or maintenance; modifications to Products; structural movement or external causes such as accidents, abuse (physical or chemical) or other actions or events beyond Panaria Ceramica USA’s reasonable control. Purchaser shall be solely responsible for ensuring compatibility of any and all products or materials utilized in connection with the installation of Panaria Ceramica USA Products. Shade match of the replacement product to that being replaced cannot be guaranteed. No installer, dealer, agent, or employee of Panaria Ceramica USA has the authority to modify the obligations or limitations of this warranty.

**CLAIMS**

To make a claim under this Limited Lifetime Warranty, you must notify Panaria Ceramica USA within 30 days after you discover a problem. To evaluate your claim, we may ask you to provide us with pictures, samples, or other evidence of defects. Your claim will be denied if you fail to notify us within the 30-day period, fail to provide us with requested sufficient evidence of defect, or you repair or replace Products before we have made a determination of your claim.

The terms of this Lifetime Limited Warranty may not be waived or modified (whether by a statement, omission, course of dealing or any act) except by a writing signed by an officer of Panaria Ceramica USA. This warranty and all disputes are governed by the laws of the State of Kentucky.



