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**Metropolitan**

Contemporary harmony and creativity



I like to share spaces that speak of me,  
my emotions and the times that I live.

*The beauty of feeling at home*

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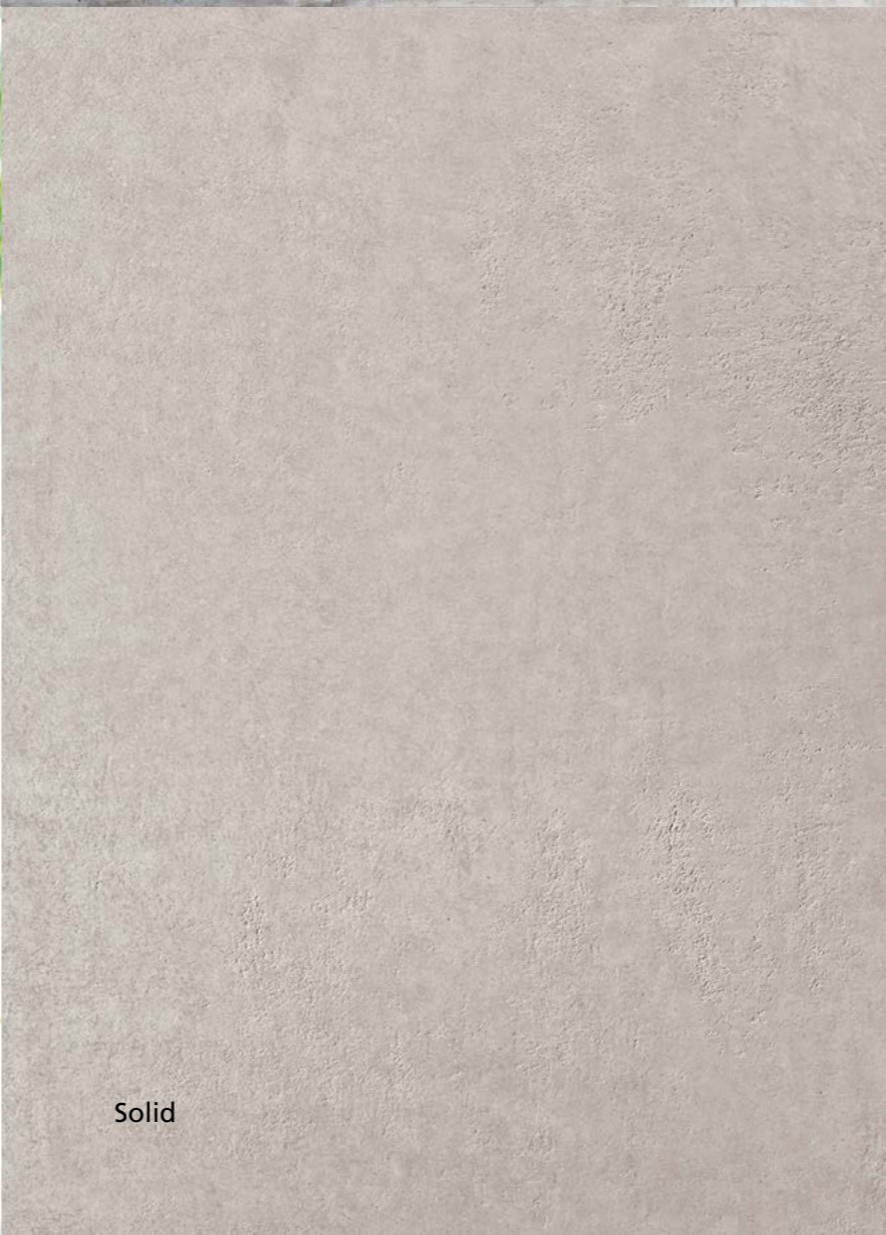
Fair



Stained



“Creativity without limits,  
to design each space  
according to  
a modern lifestyle”



Solid



Infused



“An elegant look,  
in touch with  
your personality”

Metropolitan reinterprets industrial cement surfaces with a contemporary style, using subtle shades to create a balanced combination of colour schemes and structures. The result is a pleasantly animated texture, available in 4 colours, in both 60x60 cm and 30x60 cm formats and enhanced with decorations and mosaics, capable of bringing a simple elegance to any interior design project.

Solid 24"x24" - 60.4x60.4 cm



# “The joy of living in dynamic and versatile spaces”

Bringing intrigue and functionality to spaces through the use of surfaces with a soft and delicate aesthetic, but which are decidedly superior in strength and durability; giving you total freedom in the creation of your own spaces, as well as your own way of life.



Stained 12"x24" - 30x60.4 cm \_ Mosaic Stained 12"x12"- 30x30 cm

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Mosaic Stained 12"x12" - 30x30 cm



Stained 12"x24" - 30x60.4 cm



Stained 12"x24" - 30x60.4 cm





Infused 24" x24" - 60x60 cm Rect.



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Strength and simplicity are the backdrop of welcoming and comforting spaces to be shared with those you love.

Infused 24"x24" - 60x60 cm Rect.



Infused 24"x24" - 60x60 cm Rect.



Solid 12"x24" - 30x60.4 cm \_ Dark Stripes 12"x24" - 30x60.4 cm  
Mosaic Solid 12"x12" - 30x30 cm

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Solid 12"x24" - 30x60.4 cm \_ Mosaic Solid 12"x12" - 30x30 cm

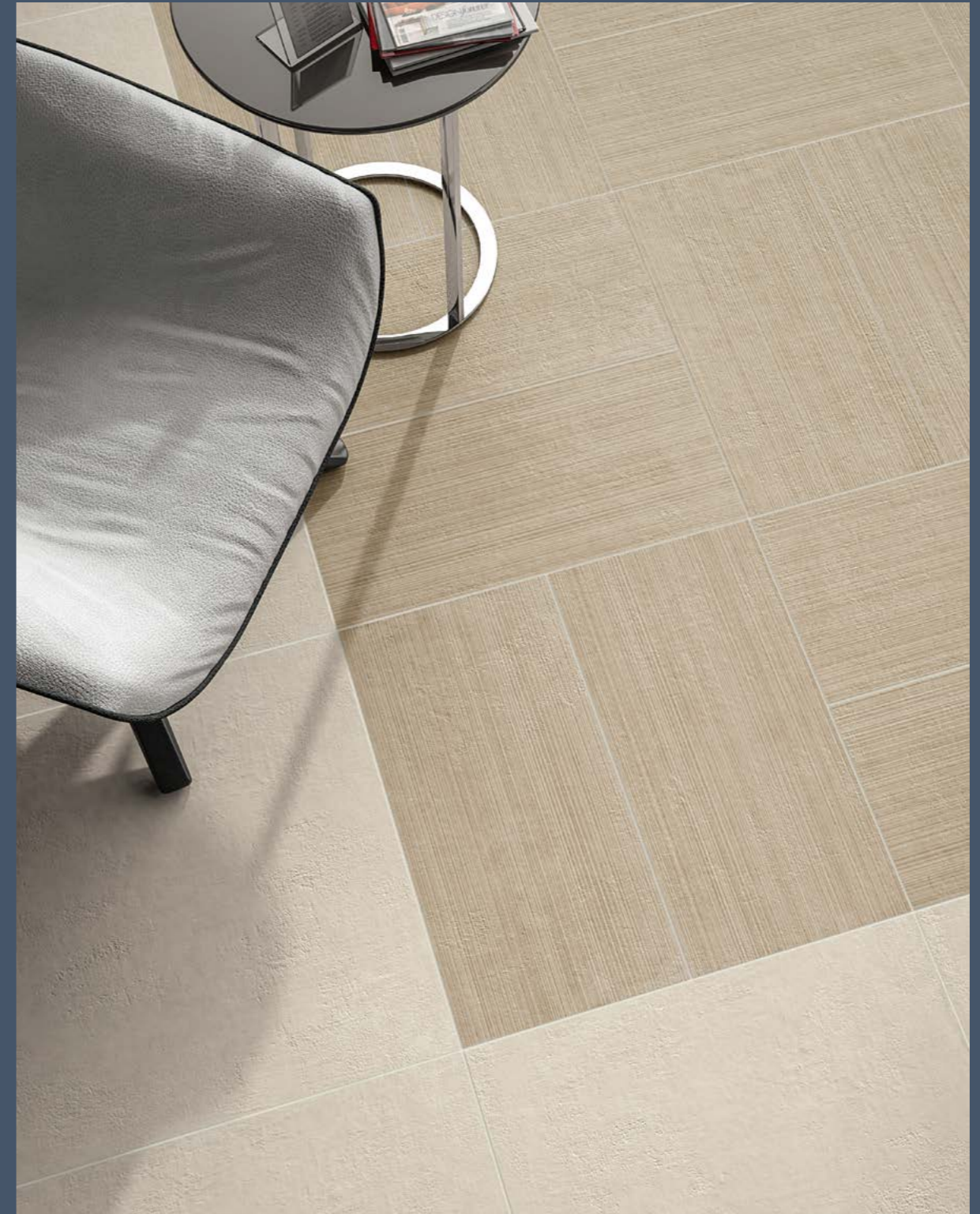




Solid 12"x24" - 30x60.4 cm \_ Dark Stripes 12"x24" - 30x60.4 cm



Fair 24"x24" - 60.4x60.4 cm \_ Light Stripes 12"x24" - 30x60.4 cm



Fair 24"x24" - 60.4x60.4 cm \_ Light Stripes 12"x24" - 30x60.4 cm



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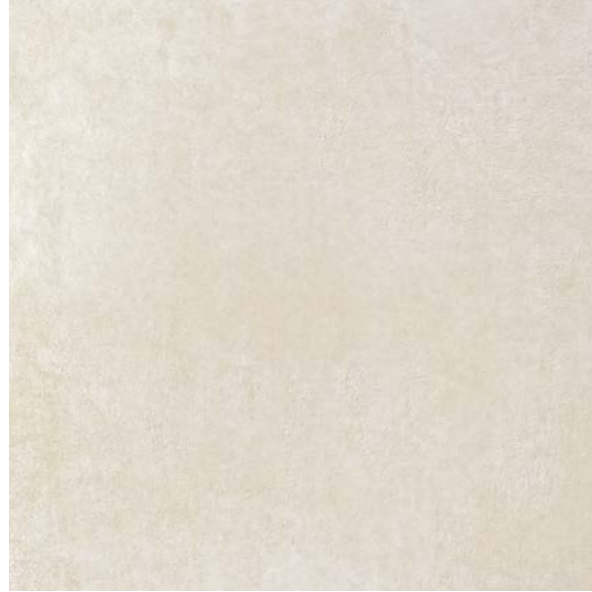
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Porcelain stoneware surfaces with a contemporary design which support and stimulate modern creativity, based on emotion and functionality.

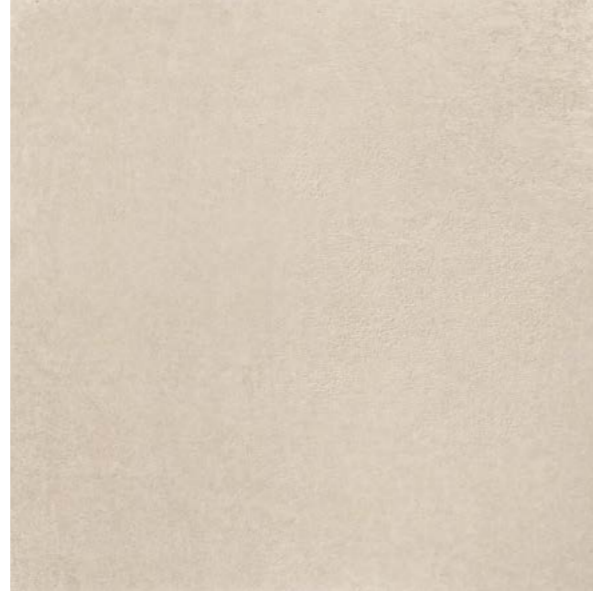
Fair 24"x24" - 60.4x60.4 cm



## FAIR

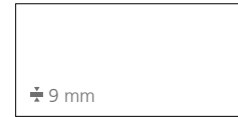


## STAINED



24"x24"  
60.4x60.4 cm

24"x24" RECT  
60x60 cm

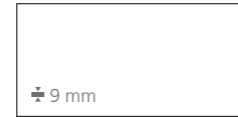


12"x24"  
30x60.4 cm



24"x24"  
60.4x60.4 cm

24"x24" RECT  
60x60 cm



12"x24"  
30x60.4 cm



LIGHT STRIPES Suitable for Fair and Stained colors  
12"x24"  
30x60.4 cm 9 mm

## DECOS

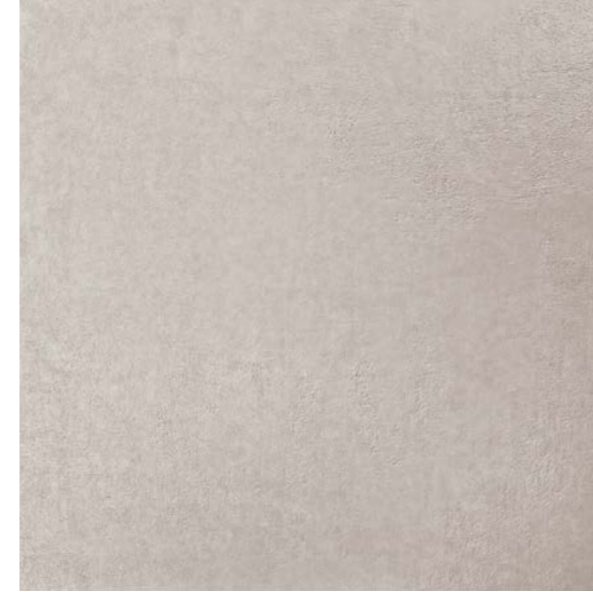


MOSAIC 16 pcs  
12"x12"  
30x30 cm 9 mm



MOSAIC 16 pcs  
12"x12"  
30x30 cm 9 mm

## SOLID

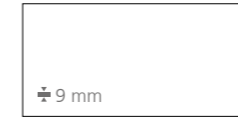


## INFUSED

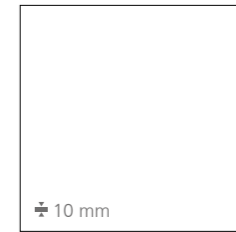


24"x24"  
60.4x60.4 cm

24"x24" RECT  
60x60 cm

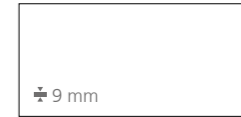


12"x24"  
30x60.4 cm



24"x24"  
60.4x60.4 cm

24"x24" RECT  
60x60 cm



12"x24"  
30x60.4 cm



DARK STRIPES Suitable for Solid and Infused colors  
12"x24"  
30x60.4 cm 9 mm

## DECOS



MOSAIC 16 pcs  
12"x12"  
30x30 cm 9 mm



MOSAIC 16 pcs  
12"x12"  
30x30 cm 9 mm

## TRIM PIECES



BULLNOSE 3 1/8" x12"  
8x30 cm  
All colors available

## PACKINGS AND WEIGHTS

SIZES	SF / CTN	LINEAR FT / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
24"x24" RECT	15.61	-	4	32	499.52	71.65	2,292.80
24"x24"	15.82	-	4	32	506.24	71.65	2,292.80
12"x24"	15.82	-	8	32	506.24	66.58	2,130.56
MOSAIC 16 pcs 12"x12"	3.87	-	4	81	313.47	16.53	1,339.93
LIGHT/DARK STRIPES 12"x24"	15.82	-	8	32	506.24	66.58	2,130.56
BULLNOSE 3 1/8" x12"	5.17	19.68	20	112	579.04	19.84	2,222.08

## TECHNICAL FEATURES

Coloured-body glazed stoneware \_ According to ANSI A137.1 (Glazed Porcelain Tiles - P1 Class)

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES ANSI A137.1	SERIES AVERAGE VALUES
WATER ABSORPTION	ASTM C373	≤ 0.5%	<b>CONFORMS</b>
BREAKING STRENGTH	ASTM C648	≥ 250 lbf	<b>350 lbf</b> 9 mm <b>425 lbf</b> 10 mm
RESISTANCE TO SURFACE ABRASION	ASTM C1027	AS INDICATED BY MANUFACTURER	5: FAIR - STAINED - SOLID 4: INFUSED
LINEAR THERMAL EXPANSION	ASTM C372	NO PROVISION	$\alpha \leq 8 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$ $\alpha \leq 4.4 \times 10^{-6} \text{ }^\circ\text{F}^{-1}$
STAIN RESISTANCE	ASTM C1378	AS INDICATED BY MANUFACTURER	<b>A RESISTANT</b>
CHEMICAL RESISTANCE	ASTM C650	AS INDICATED BY MANUFACTURER	<b>A RESISTANT(*)</b>
FROST RESISTANCE	ASTM C1026	AS INDICATED BY MANUFACTURER	<b>RESISTANT</b>
BOND STRENGTH	ASTM C482	≥ 50 PSI	<b>CONFORMS</b>
SLIP RESISTANCE	ANSI A326.3	-	<b>DCOF ≥ 0.42</b>
FLAME SPREAD	ASTM E84	-	<b>CLASS A</b>
THERMAL CONDUCTIVITY	EN 12524	-	$\lambda = 1,3 \text{ W/m }^\circ\text{K} / 0.7 \text{ BTU/ft h }^\circ\text{F}$
SHADE VARIATION	ANSI A137.1	AS INDICATED BY MANUFACTURER	<b>V2 slight variation</b>
MINIMUM JOINT	RECT	-	<b>2 mm</b>
	NO RECT	-	<b>3-4 mm APPROX</b>
THICKNESS	24"x24" RECT - 60x60 cm	-	<b>10 mm</b>
	24"x24" - 60.4x60.4 cm	-	
	12"x24" - 30x60.4 cm	-	<b>9 mm</b>

(\*) No Hydrofluoric acid and its derivatives

# Metropolitan

## CERTIFICATIONS



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



GREENGUARD CERTIFICATION Panaria Metropolitan series is made in a production plant "GOLD" certified by GREENGUARD.

*Product designed in Italy*

## PANARIA METROPOLITAN SERIES AND THE ENVIRONMENT



### 100% REUSE OF UNFIRED TILES

Crude waste generated by the process is reintegrated in the production cycle with no costs for the environment. This contributes to the safeguard of natural resources.



### LOW EMISSIONS IN THE ATMOSPHERE

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



### 100% REUSE/RECYCLING OF THE INDUSTRIAL WASTE - FIRED TILES

The waste-fired tiles are fully reused in the production cycle. In addition, at the end of life, the Panaria tiles can be recycled as materials for substrates for roads and buildings, thus reducing the use of gravel and natural aggregates commonly used in building.



### SAFETY REQUIREMENTS: NO FIRE REACTION

All of Panaria's ceramic tile products are Class A building materials as described in ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials. This is due to the flame spread rating of (0) and smoke developed rating of (0) falling within the ranges of a Class A material. Other building codes refer to this as a Type I material in accordance with NFPA 255.



### 100% WATER RECYCLING

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



### SAFETY REQUIREMENTS: DCOF ≥ 0.42

Panaria METROPOLITAN series has got a Dynamic Coefficient Of Friction ≥ 0.42, as requested by ANSI A 137.1 "For level interior spaces expected to be walked upon when wet".



### PANARIA PACKING MATERIAL IS 100% RECYCLABLE

(carton boxes, plastic packaging materials, wooden pallets, straps, etc.).



### METHANE CONSUMPTION IS HIGHLY REDUCED

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



### 100% OF NON CERAMIC WASTE

Is differentiated and recycled in other production cycles.



Follow us on



April 2018

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