





"Colors that evoke and create an harmonious and free style"



Vivid wood, with natural tones and prominent grain, is the source of inspiration for a colored-body glazed stoneware tile with excellent technical performances which guarantee enduring beauty.

The surface is full of details, pleasing to the eye and to the touch.

It offers a natural feeling, which must be experienced day by day.

Smooth 8"x36"- 20x90.5 cm



"They're my emotions, my discoveries, everything I care about. It's my home, it's life"









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A timeless décor, perfect for giving new creative energy to any environment offering a flawless essential mood.

Herringbone Modulus A-B Hav 10"x24"- *24.4x60 cm* 













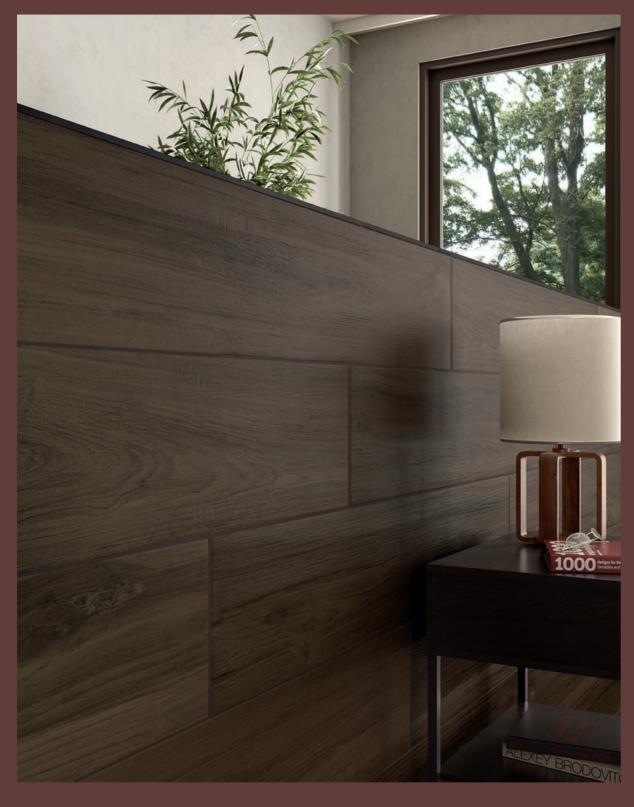




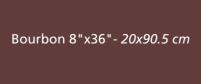




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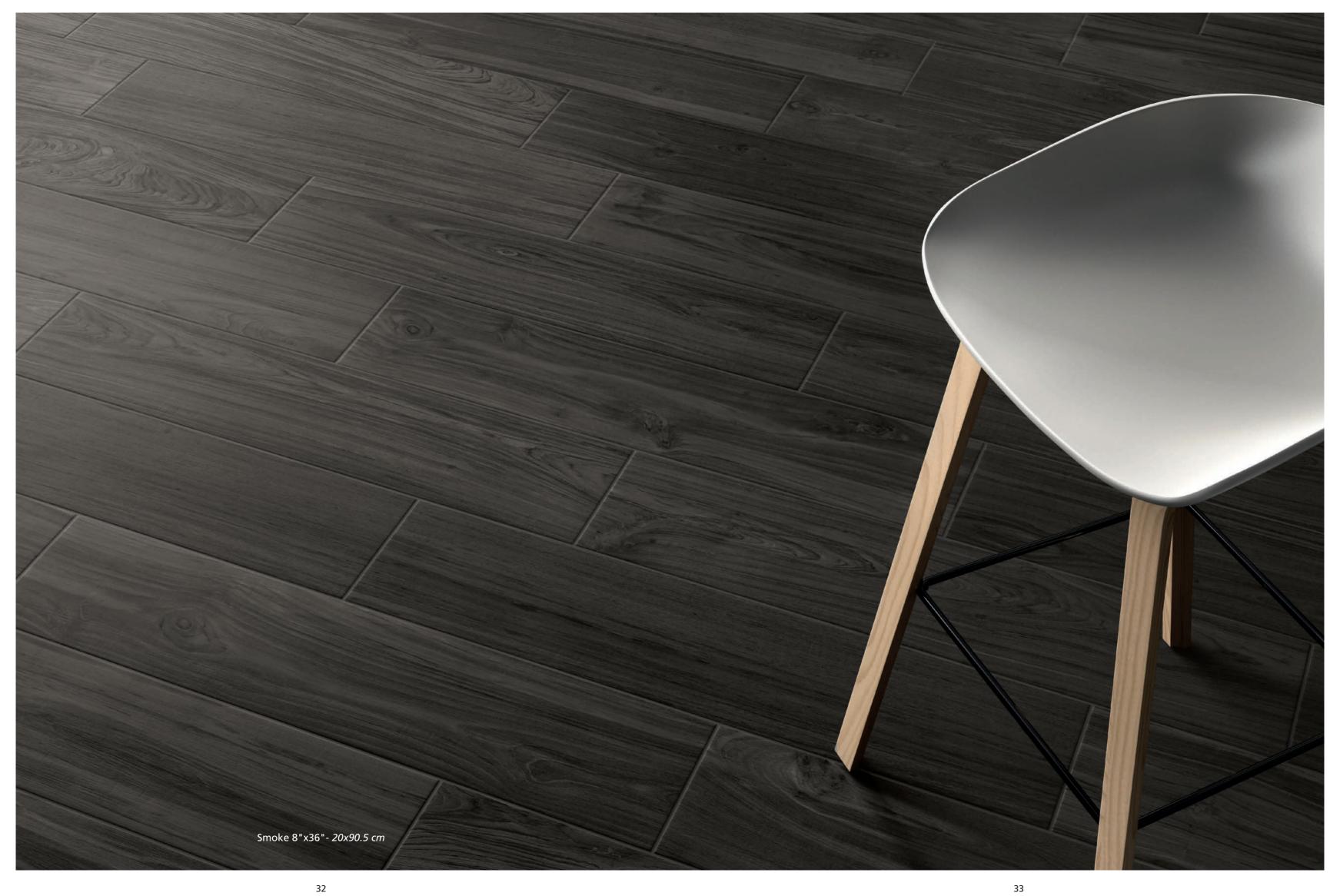




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The natural vocation of the surface, so detailed and intense, is combined with the performance of porcelain stoneware, to offer perfection in any space.

Smoke 8"x36"- 20x90.5 cm \_ Herringbone Modulus A-B Polar 10"x24"- 24.4x60 cm



# Life

# Life

# POLAR



## HAY



# SMOOTH



# **BOURBON**



# **SMOKE**



8"x36" 20x90.5 cm

# **DECOS**



HERRINGBONE MODULUS A-B POLAR 10"x24" 24.4x60 cm ± 9 mm



HERRINGBONE MODULUS A-B HAY 10"x24" 24.4x60 cm ± 9 mm



HERRINGBONE MODULUS A-B SMOOTH 10"x24" 24.4x60 cm ±9 mm



HERRINGBONE MODULUS A-B BOURBON 10"x24" 24.4x60 cm ₹9 mm



HERRINGBONE MODULUS A-B SMOKE 10"x24" 24.4x60 cm ± 9 mm

# **TRIM PIECES**



# **PACKINGS AND WEIGHTS**

SIZES	SF / CTN	LINEAR FT / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
8"x36"	13.94	-	7	48	669	53.37	2,561.76
HERRINGBONE MODULUS A-B 10"x24"	5.54	-	6	35	193.9	27.60	966
COVE BASE 6"x12"	3.87	-	8	108	417.9	16.50	1,782

# **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	LIFE AVERAGE VALUES
WATER ABSORPTION	ASTM C373	≤ 0.5%	CONFORMS
BREAKING STRENGTH	ASTM C648	≥ 250 lbf	<b>350 lbf</b> 9 mm
SURFACE ABRASION RESISTANCE	ASTM C1027	AS INDICATED BY MANUFACTURER	PEI 3 SMOOTH - BOURBON - SMOKE PEI 4 POLAR - HAY
LINEAR THERMAL EXPANSION	ASTM C372	NO PROVISION	$\alpha \le 4.4 \times 10^{-6}  {}^{\circ}F^{-1}$ $\alpha \le 8 \times 10^{-6}  {}^{\circ}C^{-1}$
STAIN RESISTANCE	ASTM C1378	AS INDICATED BY MANUFACTURER	A RESISTANT
CHEMICAL RESISTANCE (*)	ASTM C650	AS INDICATED BY MANUFACTURER	A RESISTANT
FROST RESISTANCE	ASTM C1026	AS INDICATED BY MANUFACTURER	RESISTANT
BOND STRENGHT	ASTM C482	≥ 50 PSI	CONFORMS
SLIP RESISTANCE	ANSI A326.3	DCOF ≥ 0.42	≥ 0.42
SHADE VARIATION	ANSI A137.1	AS INDICATED BY MANUFACTURER	V2 Slight 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 (**)	NOT RECT (indoor)	-	3/16" - 4,8 mm
THICKNESS	8"x36"- 20x90,5 cm	-	9 mm
	WATER ABSORPTION  BREAKING STRENGTH  SURFACE ABRASION RESISTANCE  LINEAR THERMAL EXPANSION  STAIN RESISTANCE  CHEMICAL RESISTANCE (*)  FROST RESISTANCE  BOND STRENGHT  SLIP RESISTANCE  SHADE VARIATION  FLAME SPREAD  THERMAL CONDUCTIVITY  RECOMMENDED MINIMUM JOINT (**)	WATER ABSORPTION  BREAKING STRENGTH  SURFACE ABRASION RESISTANCE  LINEAR THERMAL EXPANSION  ASTM C1027  STAIN RESISTANCE  ASTM C1378  CHEMICAL RESISTANCE (*)  FROST RESISTANCE  ASTM C650  FROST RESISTANCE  ASTM C1026  BOND STRENGHT  ASTM C482  SLIP RESISTANCE  ANSI A326.3  SHADE VARIATION  ANSI A137.1  FLAME SPREAD  ASTM E84  THERMAL CONDUCTIVITY  EN 12524  RECOMMENDED MINIMUM JOINT (**)  NOT RECT (indoor)	WATER ABSORPTION  ASTM C373  ≤ 0.5%  BREAKING STRENGTH  ASTM C648  ≥ 250 lbf  SURFACE ABRASION RESISTANCE  ASTM C1027  AS INDICATED BY MANUFACTURER  LINEAR THERMAL EXPANSION  ASTM C372  NO PROVISION  STAIN RESISTANCE  ASTM C1378  AS INDICATED BY MANUFACTURER  CHEMICAL RESISTANCE  ASTM C650  AS INDICATED BY MANUFACTURER  FROST RESISTANCE  ASTM C1026  AS INDICATED BY MANUFACTURER  BOND STRENGHT  ASTM C482  ≥ 50 PSI  SLIP RESISTANCE  ANSI A326.3  DCOF ≥ 0.42  SHADE VARIATION  ANSI A137.1  AS INDICATED BY MANUFACTURER  THERMAL CONDUCTIVITY  EN 12524  -  RECOMMENDED MINIMUM JOINT (**)  NOT RECT (indoor)  -

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

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



#### **CERTIFICATIONS**











GREENGUARD CERTIFICATION is made in a production plan GOLD GREENGUARD certified.











Product designed in Italy and made in USA

## PANARIA LIFE 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.



#### 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.



#### **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.



#### PANARIA PACKING MATERIAL IS 100% RECYCLABLE

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



## **100% OF NON CERAMIC WASTE**

Is differentiated and recycled in other production cycles.



#### LOW EMISSIONS IN THE ATMOSPHERE

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



#### **SAFETY REQUIREMENTS: NO FIRE REACTION**

All of Panaria's ceramic tile products are Class A building materials as described in ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials. This is due to the flame spread rating of (O) and smoke developed rating of (O) 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.



## SAFETY REQUIREMENTS: DCOF ≥ 0.42

Panaria LIFE series has got a Dynamic Coefficient Of Friction ≥ 0.42, as requested by ANSI A326.3 "For level interior spaces expected to be walked upon when wet".



#### METHANE CONSUMPTION IS HIGHLY REDUCED

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



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