

Tender specifications / THE PLACE collection

Supply of Panaria Ceramica porcelain stoneware tiles for walls and floors.

Product characteristics

Panaria Ceramica full body porcelain stoneware tiles, unglazed, composed of a very fine mixture of quality clay with the addition of feldspar, quartz and kaolin, manufactured by dry pressing of atomized powders and subsequently sintered by industrial firing at temperatures above 1200°C.

The complete vitrification of the tiles allows for a compact, non-absorbent, frost-proof product, resistant to bending, impacts, staining, chemical attack and thermal shock.

Compliance with EN 14411-G / ISO 13006-G

The The Place collection is in compliance with the regulations required for first quality products in Italy and Europe UNI EN 14411-G and internationally through ISO 13006-G.

Quality and environmental certifications

The conservation of the product characteristics is guaranteed by the Quality Management System put into practice by Panaria Ceramica in its plants and certified in accordance with UNI EN ISO 9001.

The collection is manufactured in plants with UNI EN ISO 14001 certified Environmental Management Systems (internationally recognized standard) and EMAS (Regulation 1221/09 - eco-management and audit community system).

The collection helps to meet the criteria for obtaining LEED credits. The content of "pre-consumer" recycled material is 40%, as certified by a qualified external body (LEED V4 Regulations - MR Credit). The product contains no VOC (volatile organic compounds) and got the GREENGUARD GOLD certification. The Environmental Product Declaration (EPD) is available, this tool communicates clearly the environmental performances of the The Place collection based on its Life Cycle Assessment (LCA).

Antibacterial properties

Thanks to Protect antibacterial technology, the tiles from the The Place collection have continuous, effective and durable protection against the proliferation of bacteria, tested and certified in accordance with ISO 22196 and ASTM E3031.

Commercial description of the product	
Company	PANARIA CERAMICA (Panariagroup Industrie Ceramiche S.p.A.)
Collection	THE PLACE
Colours	SUBURB GREY, COUNTY BEIGE, COTTAGE DARK, MIDTOWN WHITE, DISTRICT SMOKE
Sizes	60x120cm NAT, SOFT, EXT RECT
	60x120cm NAT, SOFT, EXT RECT
	600x60cm NAT, SOFT, EXT RECT
	30x60cm NAT, SOFT, EXT RECT
	90x90cm NAT, SOFT, EXT RECT
	20x20cm STRUTTURATO SUBURB GREY, COUNTY BEIGE, COTTAGE DARK
Surfaces	20X30,2cm STRUTTURATO SUBURB GREY, COUNTY BEIGE, COTTAGE DARK
	20200,4cm STRUTTURATO SUBURB GREY, COUNTY BEIGE, COTTAGE DARK
	NAT, EXT (*), STRUTTURATO (*) SOFT- SOFT - Recommended for flooring in residential and low traffic commercial spaces.
Edges	RECTIFIED (RECT), NOT RECTIFIED (RECT)
Thickness	9 mm – 12 mm – 20 mm

(*) The antimicrobial protection is not applied.

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Technical features

Product type: full body porcelain stoneware (UGL)

According to: ISO 13006-G (Group Bla), EN 14411-G (Group Bla)

Technical features	Test method	Required values ISO 13006-G, EN 14411-G Bla-UGL Group	Average values THE PLACE
Water absorption	ISO 10545-3	≤ 0,5 %	0,05 %
Breaking strength (S)	ISO 10545-4	≥ 1300 N	Thick. 9 mm: 1800 N Thick. 12 mm: 3500 N Thick. 20 mm: 13600 N
Modulus of rupture	ISO 10545-4	≥ 35 N/mm ²	50 N/mm ²
Deep abrasion resistance	ISO 10545-6	≤ 175mm ³	145mm ³
Linear thermal expansion	ISO 10545-8	No provision	$\alpha \leq 7 \cdot 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Stain resistance	ISO 10545-14	Class 3 Min.	5 RESISTANT
Chemical resistance (*)	ISO 10545-13	As indicated by manufacturer	LA, HA RESISTANT
Frost resistance	ISO 10545-12	No alteration	RESISTANT
Dimensions	Length and width	ISO 10545-2	± 0,3 %, max ± 1 mm
	Straightness of sides	ISO 10545-2	± 0,3 %, max ± 0,8 mm
	Rectangularity	ISO 10545-2	± 0,3 %, max ± 1,5 mm
	Warpage	ISO 10545-2	± 0,4 %, max ± 1,8 mm
	Thickness	ISO 10545-2	± 5 % ± 0,5mm
Slip resistance	DIN EN 16165 – Annex B	-	R10 (NAT) R11 (EXT, STRUTTURATO)
	DIN EN 16165 – Annex A	-	A+B (NAT) A+B+C (EXT, STRUTTURATO)
	BCR-TORTUS	-	$\mu > 0,40$
	ANSI A326.3	-	ID - DCOF _f ≥ 0.42 (Dry) NAT / SOFT IW - DCOF _f ≥ 0.42 (Wet) NATURALE EW EXT, STRUTTURATO IW+ *** NAT
	AS/NZS 4596	-	P3 (NAT) P4 (EXT, STRUTTURATO)
	BS 7976-2		PTV 36+WET (SI.96) NATURALE PTV 36+WET (SI.96 - SI.55) EXT-STRUTT.
Shade variation	ANSI A137.1	As indicated by manufacturer	V3 NATURALE / SOFT / EXT V3 (STRUTTURATO 20 MM) V4 STRUTT (only Suburb Grey; Cottage Dark)
Fire reaction	EN 13823	CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1	Class A1 (wall)
	EN 9239-1		Class A1 _{fl} (floor)
Thermal conductivity	EN 12524	-	$\lambda = 1,3 \text{ W/m } ^\circ\text{K}$
Recommended minimum joint (**)	Indoor	-	2mm
	Outdoor	-	5-6mm APPROX

(*) Excluding hydrofluoric acid and its derivatives.

(**) The width of grout joints must be established by the installation supervisor, unless grout widths are regulated by national laying standards.

(***) With the exception of areas characterized by a higher risk of slipping (such as public showers, indoor swimming pools, etc.) for which an Anti-slip surface is recommended (EXT/STRUTTURATO).