



Tender specifications PLAYLIST collection

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

Product characteristics

Panaria USA full body porcelain stoneware tiles, glazed, 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 ANSI A 137.1

The Playlist collection is in compliance with the regulations required for first quality products in USA ANSI A137.1

Quality and environmental certifications

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 has obtained the GREENGUARD GOLD certification.

Commercial description of the product	
Company	Panariagroup USA
Country of origin	Spain
Collection	Playlist
Colours	Ambient White, Classical Beige, Grunge Greige, Gothic Grey, Lounge Light Green, Folk Green, Acoustic Amber, New-Age Terracota, Indie Rust, Ska Blue, Rhythm and Blues, Synth Black, Color Mix, Neutral Mix
Nominal Sizes	2.75"x11" SOFT 8"x8" SOFT
Surface Finish	GLAZED
Surfaces Processing	SOFT
Edges	NOT RECTIFIED
Thickness	8 mm

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Technical features

Product type: Porcelain stoneware – Class P1 (GL)

According to: ANSI A137.1

Technical Characteristics	Test Method (ASTM)	Value required for Porcelain Tile ANSI A137.1		Series Average Values
Water Absorption	ASTM C373	≤ 0.5 %		Conforms
Breaking Strength	ASTM C648	Porcelain	≥ 250 lbf	≥ 350 lbf
Surface abrasion resistance	ASTM C1027	As indicated by manufacturer		PEI 3
Linear Thermal Expansion	ASTM C372	Not Required		$\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1}$
Thermal Shock Resistance	ASTM C484	No sample must show visible signs		Conforms
Chemical Resistance	ASTM C650	As indicated by manufacturer		As reported
Stain Resistance	ASTM C1378	As indicated by manufacturer		As reported
Freeze/Thaw Resistance	ASTM C1026	no sample must show visible signs		Conforms
Bond Strength	ASTM C482	≥ 50 PSI (0.34 MPa)		Conforms
Crazing Resistance	ASTM C424	As reported		Conforms
Warpage Edge	ASTM C485	Rectified: max ±0.40% or max ±0.05" up to 24x24"; max ±0.07" for tiles larger than 24x24" Calibrated: max ±0.50% or max ±0.07"		Conforms
Warpage Diagonal	ASTM C485	Rectified: max ±0.40% or max ±0.07" Calibrated: max ±0.50% or max ±0.07"		Conforms
Nominal dimensions	ASTM C485	Rectified: -3.0%/+2.0% of nominal dimensions Calibrated: max ±3.0% of nominal dimensions		Conforms
Caliber range	ASTM C485	Rectified: max ±0.25% or max ±0.03" Calibrated: max ±0.50% or max ±0.08"		Conforms
Wedging	ASTM C502	Rectified: max ±0.25% or max ±0.03" Calibrated: max ±0.50% or max ±0.08"		Conforms
Thickness	ASTM C499	Max range 0.040 inch (1.02 mm)		max ± 0.030 inch
Surface Hardness	Mohs Scale	As reported		7 Mohs
Dynamic Coefficient of Friction (DCOF)	A326.3	Porcelain	A326.3	<input checked="" type="checkbox"/> Matte: Interior, Wet Plus (IW+)
Shade Variation	ANSI A137.1	As indicated by manufacturer		V2 Slight Variation
Flame spread	ASTM E84	-		Class A