GENOVA 20MM (0.78 IN) PORCELAIN TILES

TECHNICAL DATA SHEET

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Genova Porcelain Tiles

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Size and LVR ratings

RANGE	COLOR	PRODUCT CODE & SIZES		LVR RATING
		600 x 600mm (23.6 x 23.6 in)	600 x 1200mm 23.6 x 47.2 in)	
Genova	Genova Ash	419010	442010	Average : 13.5-14
	Genova Grey	419011	442011	Average : 26.59 +- 1.25
	Genova Sand	419012	442012	Average : 48.38 +- 3.23

Packaging and weights

TILE SIZE	THICKNESS	BOX SPECIFICATION			PALLET SPECIFICATION		
		PIECES/ BOX	COVERAGE PER BOX	WEIGHT PER BOX	TILES/ PALLET	COVERAGE PER PALLET	WEIGHT PER PALLET
600 x 600mm (23.6 x 23.6 in)	20mm (0.78 in)	2	6.06 sq ft	≅111.66 lbs	30	488.25 sq ft	≅12,507 lbs
600 x 1200mm (23.6 x 47.2 in)	20mm (0.78 in)	1	5.81 sq ft	≅ 74.45 lbs	15	310.00 sq ft	≅2,234 lbs

Slip resistance

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	GENOVA VALUES
Slip resistance	DIN 51130:2014-5	-	R11

Working size and weights

TILE SIZE	ACTUAL RECTIFIED SIZE	COVERAGE PER TILE	TILE WEIGHT
600 x 600mm (23.6 x 23.6 in)	597 x 597mm (23.5 x 23.5 in)	3.87 sq ft	≤37.2 lbs
600 x 1200mm (23.6 x 47.2 in)	597 x 1195mm (23.5 x 47.1 in)	7.75 sq ft	≤74.45 lbs

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Ref: DS-GPT-0124 Last update: December 2025

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Regularity characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED		ATRIA® VALUES
Length and width	ISO 0545-2	±0.6%	±2mm	≥3400N (≥764 lbf)
Thickness	ISO 0545-2	±5.0%	±0.5mm	≥2720N (≥611 lbf)
Squareness	ISO 0545-2	±0.5%	±2mm	≤1.8mm
Straightness of sides	ISO 0545-2	±0.5%	±1.5mm	≥13mm
Surface fitness	ISO 0545-2	±0.5%	±2mm	≤7.0%

Structural characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	ATRIA® VALUES
Water absorption	ISO 0545-3	±0.5%	±0.1%
	ASTM C373		In accordance
Breaking strength	ISO 0545-4	≥1300N (≥292 lbf)	≥7,288N (≥ 1,638 lbf)
Modulus of rupture	ISO 0545-4	≥35mm^3	≥45 N/mm^3
Breaking load class	EN1339	±0.5%	U 11
			T11

Surface characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	ATRIA® VALUES
Resistance to deep abrasion	ISO 0545-6	≤175mm^3	≤155mm^3

Thermal and hygrometric characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	ATRIA® VALUES
Coefficient of linear thermal expansion	ISO 0545-8	Test method available	<7 x 10-6 °C-1
Thermal shock resistance	ISO 0545-9	Test method available	Guaranteed
Frost resistance	ISO 0545-12	Required	In accordance

Chemical characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	ATRIA® VALUES
Chemical resistance	ISO 0545-13	Test method available	Guaranteed
Stain resistance	ISO 0545-14	Test method available	Guaranteed

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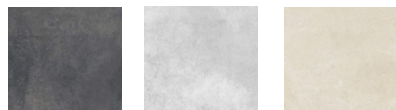# GENOVA 20MM (0.78IN) PORCELAIN TILES

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Application

Genova 20mm (0.78 in) porcelain tiles are the perfect match on terrace and balcony projects due to the characteristics of the material and their thickness. Hard-wearing, frost-proof, and slip-resistant, the 20 mm (0.78 in) porcelain slabs are easy to install and maintain. They retain their appearance in all weather conditions and are resistant to mildew, moss, and verdigris treatments.

Installation information

By mounting on adjustable pedestal systems or solid concrete bases. If mounted on adjustable pedestals over 100mm (3.9 in) in height, an optional fiberglass mesh is available upon request.

Product finishes

Ash   Grey   Sand

Sustainability

Genova porcelain tiles are made by pressing and baking a mix of natural minerals and clays. This process creates strong and long-lasting tiles. Unlike many other materials, these tiles are eco-friendly. They don't soak up harmful chemicals or release contaminants. They're also easy to clean without needing strong chemicals.

Product maintenance

Our Genova tiles are easy to clean and resist most chemicals. They're UV stable and only have 0.01% porosity. We recommend cleaning them once or twice a year, depending on local weather conditions. Use a high-pressure cleaner from at least 8 inches away or scrub with a mild all-purpose cleaner and water. For daily cleaning, just sweep regularly and rinse with water, a soft brush, and a mild cleaner or suds.

Fire protection

Genova tiles are made using porcelain which does not burn and is not a fire hazard.

Protective equipment

a) **Wear sturdy safety boots/shoes to protect your feet.**

b) **Protective eyewear such as safety glasses.**

c) **Strong gloves to protect your hands.**

d) **When using loud cutting equipment, wear ear plugs or hearing protection.**

Storage and handling

In preparation for delivery, Genova tiles are securely packed into cardboard boxes to ensure no movement during transit.

Depending on the size and weight of the consignment, they may be palletized. Until the point of installation, the tiles should be stored fully packed in a dry environment.

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