

Petrology Stone 1 20mm

External 20mm / Porcelain Stone



2 Colours / 1 Finish / 1 Size

Petrology Stone 1 20mm replicates the finest high-grade Quartzite with superior technical characteristics. Demonstrates exceptional durability while being frost proof and low maintenance. Refer to Petrology Stone 1 to provide a seamless transition between indoors and outdoors.



Sizes



DXF MAPV 01



DXF MAPV 02



	Size (mm)	Thickness	Finish	Colour Availability
1	1198 x 398 (R)	20	Natural Anti-Slip	All colours

(R) Rectified size - square edge with bevel. Recommended for outdoor use only.
Swatch colours may vary from original. Samples should be requested.

Petrology Stone 1 20mm

Technical Data

Product Type: Unglazed Porcelain (BS EN 14411 – Group BIa)

Use: Floors

Product Code: DXF MAPV

DIMENSION & SURFACE QUALITY

Technical Characteristics	Industry Standards	Requirement	Actual Value
Length & width	BS EN ISO 10545-2	± 0.60% (max. ± 2.0mm)	Conforms
Thickness	BS EN ISO 10545-2	± 5% (max. ± 0.5mm)	Conforms
Edge straightness	BS EN ISO 10545-2	± 0.50% (max. ± 1.5mm)	Conforms
Orthogonality (squareness)	BS EN ISO 10545-2	± 0.50% (max. ± 2.0mm)	Conforms
Planarity (flatness)	BS EN ISO 10545-2	± 0.50% (max. ± 2.0mm)	Conforms
Appearance	BS EN ISO 10545-2	> 95%	Conforms

SLIP RESISTANCE

Technical Characteristics	Industry Standards	Requirement	Finish
Areas with footwear	BS EN ISO 10545-17 (DIN 51130)	R11 from 19° to 27°	Natural Anti-Slip
Areas with bare feet	DIN 51097	B over 18° to 24°	Natural Anti-Slip
Slip resistance (Pendulum) Coefficient of friction	BS EN 16165	Test results upon request	

PRODUCT QUALITY & DURABILITY

Technical Characteristics	Industry Standards	Requirement	Actual Value
Water absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.05% (Typical value)
Modulus of rupture (bending strength)	BS EN ISO 10545-4	≥ 35 N/mm ²	≥ 45 N/mm ² (Typical value)
Breaking strength	BS EN ISO 10545-4	≥ 1300 N	≥ 11000 N (Typical value)
Resistance to deep abrasion	BS EN ISO 10545-6	≤ 175 mm ³	120-150 mm ³ (Typical value)
Linear thermal expansion coefficient	BS EN ISO 10545-8	Declared value	≤ 9 x 10 ⁻⁶ / °C (Typical value)
Thermal shock resistance	BS EN ISO 10545-9	No visible defects	Resistant
Frost resistance	BS EN ISO 10545-12	No surface alteration	Resistant
Chemical resistance: Low concentrations of acids & alkalis	BS EN ISO 10545-13	No visible defects	ULA-ULB
High concentrations of acids & alkalis	BS EN ISO 10545-13	No visible defects	UHA-UHB
Domestic chemicals & additives for swimming pools	BS EN ISO 10545-13	UB min.	UA
Stain resistance	BS EN ISO 10545-14	Declared value	Class 5
Reaction to fire	Based on the decision 96/603/EC and its changes	A1 _{FL} /A1	A1 _{FL} /A1
Colour resistance to light exposure	DIN 51094	No noticeable colour alteration	Resistant
Recycled content			32%

Important Note: For installations using pedestals that incorporate a void of 75mm or greater, please contact us for advice regarding the recommended provision of a reinforcing mesh for safety.



All test results are based upon current test data provided by the manufacturer and are provided in good faith. Domus Group cannot be held responsible for any variation in the test data due to changes in manufacture or material characteristics. Errors & omissions excepted. Please refer to Domus Group Terms & Conditions of Sale. March 2024

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