

Umbria 20mm

External 20mm / Porcelain Stone

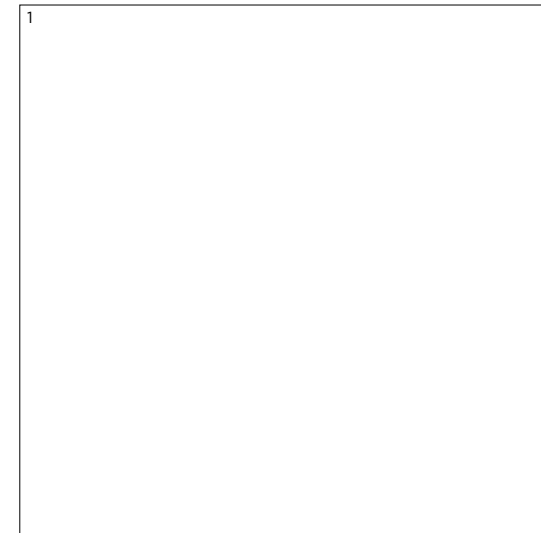


3 Colours / 1 Finish / 1 Size

This porcelain External 20mm collection is formed of contemporary sandstone colours faithfully replicating its natural counterpart designed with fine grain, subtle shading and delicate mineral veining. Also available in 10mm thickness to allow a seamless transition between inside and outside - refer to Umbria.




Sizes



	Size (mm)	Thickness	Finish	Colour Availability
1	598 x 598 (R)	20	Bush Hammered	All colours

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

 V2 - Moderate
Shade Variation

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Umbria 20mm

Technical Data

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

Use: Floors

Product Code: DXF BYT

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	EN 16165:2021 Annex B / DIN 51130	R11 from 19° to 27°	Bush Hammered
Areas with bare feet	EN 16165:2021 Annex A / DIN 51097	C over 24°	Bush Hammered
Slip resistance (Pendulum) Coefficient of friction	BS EN 16165	Test results upon request	

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. February 2024

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	50 N/mm ² (Typical value)
Breaking strength	BS EN ISO 10545-4	≥ 1300 N	13600 N (Typical value)
Resistance to deep abrasion (unglazed tiles)	BS EN ISO 10545-6	≤ 175 mm ³	145mm ³ (Typical value)
Linear thermal expansion coefficient	BS EN ISO 10545-8	Declared value	≤7x10 ⁻⁶ °C ⁻¹ (Typical value)
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
High concentrations of acids & alkalis	BS EN ISO 10545-13	No visible defects	UHA
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 _{FL}
Recycled content			40%

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.



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