

Ultragres Terra Maestricht

Unglazed, single-fired, fully vitrified floor tiles in accordance with EN 14411 Bla manufactured with the two-layer Ultragres-process offering a water absorption of < 0.05% on the surface and ≤ 0.3% on the underside. Matt surface finish with a natural appearance, obtained through a random scattering of ceramic dust particles during the production process. The surface does have a certain 'direction' which should be taken into consideration when installing. Suitable for floor and wall applications both internally and externally.

Natural look, each tile has a unique appearance. Pure ceramics. Available as square tiles and also in strips. May be combined seamlessly with Xtreme Glass and Steel. Rectified edges (except 30 x 30 cm). Extremely high resistance to rupture and breaking. Resistant to chemicals. Easy to maintain. Frost proof. Accurate and stable sizing. Suitable use with underfloor heating. May be installed with paste adhesives as well as mortars because of the two-layer concept. Suitable floor tile for indoor and outdoor applications in commercial, utility and domestic situations. May also be used as wall and facade cladding. Matching step treads and other accessories are available. Slip-resistance value: R10, R11/A+B+C.

Advantages Ultragres-process

In the Ultragres-process the top layer and body have slightly different compositions, thus giving both sides optimal properties. The top layer is easy to clean and has very high resistance to rupture and breaking and the body guarantees excellent size-consistency and installation-properties.

Dimensions, thicknesses, edges and accessories

Modular size in cm incl. 4 mm joint	Production size in mm	Rectified edges	Stair-tread (T)	Bullnose skirting (product code BP)
30 x 30	296 x 296 x 10	--	Yes	Article code BP3095
30 x 60	296 x 596 x 12	Yes	--*	Article code BP3095/BP6095
45 x 45	446 x 446 x 10	Yes	--*	Article code BP4595
60 x 60	596 x 596 x 12	Yes	--*	Article code BP6095
5 x 60	46 x 596 x 12	Yes	--*	
10 x 60	96 x 596 x 12	Yes	--*	
15 x 60	146 x 596 x 12	Yes	--*	

* Available in 30 x 30 cm.

• Modularity requires a 4 mm joint. Tiles with rectified edges can be installed with a minimum joint of 2 mm.

• The tiles in the dimensions from 30 x 60 cm upwards are rectified and can be installed with a minimum joint of 2 mm.

Dimensions, surfaces, colour codes and colours

Colour code	30 x 30 cm		30 x 60 cm		45 x 45 cm		60 x 60 cm		5 x 60 cm		10 x 60 cm		15 x 60 cm		Colour
	V	RL	V	RL	V	RL	V	RL	V	RL	V	RL	V	RL	
200							•								Cool porcelain white
201	•				•		•								White
202	•				•		•								Light grey
203	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Cool black
204	•		•		•		•	•	•	•	•	•	•	•	Agate grey
205	•		•		•		•								Dark brown
206	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Mid grey
207	•	•			•	•	•	•							Caramel
208	•				•		•								Rust-brown
209	•				•		•								Black-blue
210							•								Warm porcelain white
211	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Avalon beige
213	•														Grey
216	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Anthracite
217	•				•		•								Beige
218	•				•		•								Cotto
219	•														Dark green
230	•						•								Warm black

V = even; RL = relief

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Price groups

30 x 30 (All available colour codes)	V/RL: U 446
30 x 60 (All available colour codes)	V/RL: U 828
45 x 45 (All available colour codes)	V/RL: U 551
60 x 60 (All available colour codes)	V/RL: U 804
60 x 60 (Colour codes 200 and 210)	V/RL: U 840
5 x 60 (All available colour codes)	V/RL: U 875
10 x 60 (All available colour codes)	V/RL: U 859
15 x 60 (All available colour codes)	V/RL: U 851
30 x 9.5 (All available colour codes)	BP: D 69
45 x 9.5 (All available colour codes)	BP: D 77
60 x 9.5 (All available colour codes)	BP: D 117
30 x 30 (All available colour codes)	T: D 148

Shades

Tiles are a natural product. Minor shade differences may occur. Mosa sorts products according shade which is printed on the box.

Terra Maestricht planks

Terra Maestricht planks (5 x 60, 10 x 60 and 15 x 60 cm) are modular and may be installed seamlessly with 60 x 60 cm. The planks are available with a structured and a smooth surface. May be applied to walls and floors. Also facades. Possible patterns: brick-bonded or random, linear. When used staggered, flatness tolerances in the back wall and the tile may cause some unevenness in the wall or a shadow effect. This effect is accentuated in oblique light.

Technical data

Properties according EN 14411 Bla and Mosa standard

Property	ISO-Test	Standard EN 14411 Bla	Mosa standard
Length and width	10545-2	+/- 0.6%	30 x 30: +/- 0.3% 30 x 60: +/- 0.03% 45 x 45: +/- 0.04% 60 x 60: +/- 0.03%
Thickness	10545-2	+/- 5%	+/- 3%
Warpage	10545-2	+/- 0.5%	+/- 0.2%
Slip-resistance			Slip-resistance Surface code value R10 V R11/A+B+C RL
Water absorption	10545-3	< 3%	Surface: < 0.05% Body: ≤ 0.3%
Bending strength	10545-4	27 N/mm ²	40 N/mm ²
Resistance deep abrasion	10545-6	205 mm ³	120 +/- 30 mm ³
Coefficient of linear thermal expansion	10545-8	9 x 10 ⁻⁶ [K ⁻¹]	8 x 10 ⁻⁶ [K ⁻¹]
Thermal shock resistance	10545-9	Required	Resistant
Frost resistance	10545-12	Required	Resistant
Chemical resistance	10545-13		Class UA*

* Chemical resistance to household chemicals, swimming pool salts, acids and alkalis:

Class UA = highest class = no visible effects, not even after pencil test.

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Installation instructions **For interior floors**

Terra Maestricht tiles may be installed using all conventional mortars, adhesives and grouts for fully vitrified ceramic tiles, according to conventional application methods.

For adequacy and instructions for application the user should inform with the manufacturer of adhesives.

If they are to be laid on fresh mortar, tiles of 30 x 30 cm should receive a contact coating. This is essential from 30 x 60 cm tiles upwards.

The subfloor should be sufficiently even - from 30 x 60 cm upwards completely even -, form stable, pressure proof, dry and free of dirt, residues and cracks.

The structure of the surface has a linear direction. Please remember this when installing.

The sizes from 30 x 60 cm upwards (with rectified edges) can be fixed with a minimal joint of 2 mm.

The modular sizes are including a 4 mm joint.

When using adhesive it should cover at least 90% of the underside.

Installing 60 x 60 cm tiles using adhesive: use half-mooned adhesive spreader (10 or 15 mm) in combination with the buttering floating method.

Recommended adhesives: Eurocol 705, Omnicol Stabicol PL85 Project, Schönox TT-Midiflex Grey, Laticrete 317 with addition 333, Laticrete Platinum Multipurpose.

Tiles can be cut to size using a tile cutter with Widia-blade or using a water-cooled diamond saw.

Expansion joints should be installed to the manufacturer's recommendation.

Grouting should be done according to the grout-manufacturer's recommendations.

Recommended grouts for approx. 2 mm joints: Eurocol 698, Omnicol Temo, Schönox SU, Laticrete 1600 series.

Cement bloom must be chemically removed thoroughly with the correct remover after grouting.

In order to remove possible cementations bloom from the structure of the tile more easily it is advisable to apply a protective coating on the surface, e.g. HMK P23 (Möller Chemie) before grouting. This protective coating together with the cement film will be easily removed by the cement film remover afterwards. The appearance of the structured surface will not change.

For interior walls

Terra Maestricht tiles may be installed using all conventional mortars, adhesives and grouts for fully vitrified ceramic tiles according to recommended application methods.

For adequacy and instructions for application the user should inform with the manufacturer of adhesives.

The underlayer should be completely even, form stable, pressure proof, dry and free of dirt, residues and cracks.

Terra Maestricht planks satisfy strict requirements with respect to flatness, but for a good, smooth tiled wall, the underlying wall must be sufficiently flat and laying should be done by a professional expert. The use of floodlights also accentuates unevenness in the wall.

The structure of the surface has a linear direction. Please remember this when installing.

The sizes from 30 x 60 cm upwards (with rectified edges) can be fixed with a minimal joint of 2 mm.

The modular sizes are including a 4 mm joint.

When using an adhesive, it should cover at least 90% of the underside.

Installing 60 x 60 cm tiles using adhesive: use half-mooned adhesive spreader (10 mm).

Recommended adhesives: Eurocol 705, Omnicol Stabicol PL85 ES, Schönox TT-Midiflex Grey, Laticrete 317 with addition 333, Laticrete Platinum Multipurpose.

Tiles can be cut to size using a tile cutter with Widia-blade or using a water-cooled diamond saw.

Dilatation should be made in conformation with instruction constructor or specifications.

Grouting should be done according specifications grout-manufacturer.

Recommended grouts for approx. 2 mm joints: Eurocol 698, Omnicol Temo, Schönox SU, Laticrete 1600 series.

Cement bloom must be removed thoroughly with correct remover after grouting.

In order to remove possible cementations bloom from the structure of the tile more easily it is advisable to apply a protective coating on the surface, e.g. HMK P23 (Möller Chemie) before grouting. This protective coating together with the cement film will be easily removed by the cement film remover afterwards. The appearance of the structured surface will not change.

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Laying patterns planks	For more information about laying patterns Terra Maestricht Planks please check the brochure Terra Maestricht Planks, the Mosa documentation or www.mosa.nl .
Relevant Technical product sheets	Ultragres Fully Vitrified Unglazed Ultragres Terra XXL Ultragres Slip-resistant Terra LED
Maintenance	Please consult Mosa documentation or www.mosa.nl
Sampling	showroomservice@mosa.nl Tel: +31 (0)43 368 93 23
General inquiries	International Service Desk: servicedesk@mosa.nl Tel: +31 (0)43 368 92 29; Fax: +31 (0)43 368 93 56

The text for this Technical product sheet replaces all preceding versions and has been composed with the utmost care and in cooperation with the leading mortar and adhesive producers. All recommendations are based on current state-of-the-art knowledge. This Technical product sheet contains information about Mosa products, properties and applications, and therefore may not to be used as a guarantee for the stated recommendations. Mosa will not be held responsible should this information be used as a guarantee. For warranties and liability we refer to our General Terms and Conditions of Sale. No rights can be derived from the contents of this Technical product sheet. Errors and price alterations excepted. For the most actual version see www.mosa.nl.



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