

Ultragres Terra XXL

Product description Ultragres, single-fired, fully vitrified floor tiles in accordance with EN 14411 B1a 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.

Product advantages 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.

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.

Product specification **Dimensions, thicknesses, edges and accessories**

Modular size in cm incl. 3 mm joint	Production size in mm	Rectified edges	Stair-tread (T)	Bullnose skirting (product code BP)
90 x 90	897 x 897 x 13	Yes	--*	Article code BP9095
20 x 120	197 x 1197 x 13	Yes	--*	Article code BP1295
30 x 120	297 x 1197 x 13	Yes	--*	Article code BP1295
40 x 120	397 x 1197 x 13	Yes	--*	Article code BP1295
60 x 120	597 x 1197 x 13	Yes	--*	Article code BP1295

- * Available in 30 x 30 cm (see Terra Maestricht).
- Modularity requires a 3 mm joint.
- Tiles with rectified edges can be installed with a minimum joint of 2 mm (not modular).

Dimensions, surfaces, colour codes and colours

Colour code	90 x 90 cm V	20 x 120 cm V	30 x 120 cm V	40 x 120 cm V	60 x 120 cm V	Colour
200	•	•	•	•	•	Cool porcelain white
203	•	•	•	•	•	Cool black
204	•		•		•	Agate grey
205	•		•		•	Dark brown
206	•	•	•	•	•	Mid grey
210	•	•	•	•	•	Warm porcelain white
211	•	•	•	•	•	Avalon beige
216	•	•	•	•	•	Anthracite
230	•					Warm black

V = even

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Price groups

90 x 90 (All available colour codes)	V: U 862
90 x 90 (Colour codes 200 and 210)	V: U 887
20 x 120 (All available colour codes)	V: U 931
20 x 120 (Colour codes 200 and 210)	V: U 965
30 x 120 (All available colour codes)	V: U 890
30 x 120 (Colour codes 200 and 210)	V: U 918
40 x 120 (All available colour codes)	V: U 906
40 x 120 (Colour codes 200 and 210)	V: U 936
60 x 120 (All available colour codes)	V: U 858
60 x 120 (Colour codes 200 and 210)	V: U 883
90 x 9.5 (All available colour codes)	BP: D 249
120 x 9.5 (All available colour codes)	BP: D 332

Shades

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

Terra XXL planks

Terra XXL planks (20 x 120, 30 x 120, 40 x 120 and 60 x 120 cm) are modular and may be installed seamlessly with 90 x 90 cm. The planks are only available with a smooth surface. May be applied to walls and floors. Also facades. Possible patterns: brick-bonded or 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%	+/- 0.02%
Thickness	10545-2	+/- 5%	+/- 3%
Warpage	10545-2	+/- 0.5%	+/- 0.2%
Slip-resistance			R10
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 XXL 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.

The Terra XXL in sizes 60 x 120 cm and 90 x 90 weigh 22 and 24 kg, respectively. Mosa advises that the tiles be lifted by two persons using glass carriers.

If they are to be laid on fresh mortar, all Terra XXL sizes should receive a contact coating, due to possible shrinkage of the floor.

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

The surface does have a certain 'direction' which should be taken into consideration when installing. All XXL sizes are rectified, they have grinded edges and can therefore be modular fixed with a joint of 3 mm. The tiles can be fixed with a minimum joint of 2 mm (not modular).

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

Installing Terra XXL tiles using adhesive: use half-mooned adhesive spreader in combination with the buttering floating method. Recommended adhesives: Eurocol 720 Unicol, Ceresit CM24 Easyflex, Mapei Keraflex Maxi, Ardex X 32 Schönox TT-Midiflex, Omnicol Omnicem PL 85 Prof, Laticrete 220 or 211 Mortar with Latex 423.

Tiles can be cut to size using a cutting board with mobile breaking mechanism and sufficient support using a 8 or 10 mm cutting wheel or using a water-cooled diamond saw.

Terra XXL tiles on lightweight constructions can only be drilled using water cooled diamond drills in order to avoid tile breakage.

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.

For interior walls

Terra XXL 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.

The Terra XXL in sizes 60 x 120 cm and 90 x 90 weigh 22 and 24 kg, respectively. Mosa advises that the tiles be lifted by two persons using glass carriers.

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

Terra XXL tiles 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.

The use of floodlights also accentuates unevenness in the wall.

The surface does have a certain 'direction' which should be taken into consideration when installing.

All XXL sizes are rectified, they have grinded edges and can therefore be modular fixed with a joint of 3 mm. The tiles can be fixed with a minimum joint of 2 mm (not modular).

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

Installing Terra XXL tiles using adhesive: use half-mooned adhesive spreader in combination with the buttering floating method.

Recommended adhesives: Eurocol 747 Eurolight, Ceresit CM 18 Easyflex, Mapei Ultraflex S2 Mono, Ardex X 77 Microtec, Schönox SK / MSK, Omnicol Omnicem PL85 ES, LATICRETE 4237 E Latex with LATICRETE 211 E Crete.

Tiles can be cut to size using a cutting board with mobile breaking mechanism and sufficient support using a 8 or 10 mm cutting wheel or using a water-cooled diamond saw.

Terra XXL tiles on lightweight constructions can only be drilled using water cooled diamond drills in order to avoid tile breakage.

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.

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Laying patterns planks	For more information about laying patterns Terra XXL planks please check the brochure Terra XXL, the Mosa documentation or www.mosa.nl .
Relevant Technical product sheets	Ultragres Fully Vitrified Unglazed Ultragres Terra Maastricht 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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NEN-EN 14411