

# Mosa Matt Collection®

**Product description**      **Powder matt wall tiles**  
Glazed, dry-pressed ceramic wall tiles, on white biscuit, in accordance with EN 14411 BIII, with water absorption >10%, not frost resistant, manufactured by a double-firing system, with powder matt glaze layer based on Mosa's innovative ZRB glazing procedure.

**Floor tiles (Global Collection)**

Unglazed, dry-pressed, double-hardened, fully vitrified floor tiles, manufactured with the two-layer Ultragres process, in accordance with EN 14411 BIa, with a water absorption of <0.05% on the surface and a water absorption of ≤0.3% on the underside.

**Product advantages**

**Powder matt wall tiles**

The powder matt wall tiles are more matt and more tactile than any other matt wall tile currently on the market, and exceed the quality standard of EN 14411 BIII (see technical data). They are modular, including 3 mm joint to allow for modular connection with Mosa floor tiles. They have at least one fully glazed edge, making it easier to construct external corners.

Chemical resistant. Easy maintenance. Dimensionally stable.

Combine them with the unglazed floor tiles, fully colour-matched with the wall tiles, to create monochromatic tiled spaces.

**Special applications**

Thanks to their extremely matt surface, the wall tiles of the Mosa Matt Collection® are perfect for areas where the use of laser beams has to be taken into account

People with poor eyesight experience reflections as a nuisance and can become confused by them. The extreme matt finish of the wall tiles from the Mosa Matt Collection® prevents direct reflections and distributes light evenly, reducing the chance of disorientation for the visually impaired.

**Floor tiles (Global Collection)**

Very hard-wearing. Extreme resistant to rupture and breaking. Chemical resistant. Easy maintenance. Frost resistant. Dimensionally stable. Modular. Suitable for use with floor heating. See also Technical Product Sheet Ultragres Fully Vitrified Unglazed.

**Product specification**

**Powder matt wall tiles**

**Dimensions, thicknesses, article codes, colours, gloss and light reflection**

Modular sizes in cm incl. 3 mm joint	Manufacturing size in mm	Item code	Colour	Gloss 60° (ISO 2813)*	Light reflection Average Y-values**		
10 x 30	97 x 297 x 7,8	15810	Plain porcelain white	4,4	82,91		
		15820	Plain grey	4,2	48,54		
		15830	Plain mouse grey	2,4	27,29		
		15840	Plain Grey beige	3,1	48,56		
		15850	Plain agate grey	2,2	23,36		
		15890	Plain ivory black	1,6	8,08		
		15950	Plain biscuit	3,8	68,64		
		15960	Plain dark warm grey	1,5	13,65		
		15 x 15	147 x 147 x 5,4	15810	Plain porcelain white	4,4	82,91
				15820	Plain grey	4,2	48,54
15830	Plain mouse grey			2,4	27,29		
15840	Plain Grey beige			3,1	48,56		
15850	Plain agate grey			2,2	23,36		
15890	Plain ivory black			1,6	8,08		
15910	Plain sand yellow			2,8	56,06		
15920	Plain naples yellow			2,7	43,89		
15930	Plain copper brown			2,4	18,25		
15940	Plain sienna red			3,7	13,40		
15 x 30	147 x 297 x 8	15950	Plain biscuit	3,8	68,64		
		15960	Plain dark warm grey	1,5	13,65		
		15810	Plain porcelain white	4,4	82,91		
		15820	Plain grey	4,2	48,54		
		15830	Plain mouse grey	2,4	27,29		
		15840	Plain Grey beige	3,1	48,56		
		15850	Plain agate grey	2,2	23,36		
		15890	Plain ivory black	1,6	8,08		
		15950	Plain biscuit	3,8	68,64		
		15960	Plain dark warm grey	1,5	13,65		

\* Tested by TNO under ISO 2813 using a BYK-microgloss gloss meter, TNO report TNO-TQS-RAP 07-205.

\*\* Tested by TNO using a Perkin-Elmer Lambda-9 spectrophotometer with integrating sphere, TNO report TNO-TQS-RAP 07-205.

• The dimensions of unglazed floor tiles are a modular fit with the dimensions of the modular Mosa Matt Collection® wall tiles.

• Recommended joint width 3 mm for modular system.

# Mosa Matt Collection®

## Gloss and light reflection

TNO (the Netherlands organisation for applied research in the natural sciences) has demonstrated that the matt quality of the Mosa Matt Collection® is much higher than that of the matt finish glazed wall tiles presently available in the market, while at the same time exhibiting only a very small difference in light reflection, meaning that in spaces with walls covered in tiles from the Mosa Matt Collection®, the same amount of light is experienced as in spaces with other glazed wall tiles. (Research report no. TNO-TQS-RAP 07-205).

## Price groups

10 x 30 (All available colour codes): U 422

15 x 15 (All available colour codes): U 280

15 x 30 (All available colour codes): U 313

## Shades

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

## Joints

When creating monochromatic walls with wall tiles from the Mosa Matt Collection®, the joint colour is very important. For a number of colours from the Mosa Matt Collection®, Mosa provides the following recommendations for the joint colour to choose:

Item no.	Grout
15810	Schönox WD Old White Omnicol Omnifill 100WD white Sopro Saphir 5 Perfuge 917 Parchment
15820	Schönox WD Silver grey Eurocol WD 706 Manhattan Sopro Saphir 5 Perfuge 912 Silver grey
15830	Eurocol WD 706 grey Sopro Saphir 5 Perfuge 913 Grey
15840	
15850	Eurocol WD 706 Manhattan Mapei Ultracolor Plus 113
15890	Schönox WD Anthracite Omnicol Omnifill 100WD anthracite Eurocol WD 706 Anthracite
15910	Omnicol Omnifill 100WD vanilla
15920	
15930	Mapei Ultracolor Plus 142 Sopro Saphir 5 Perfuge 923 Brown
15940	Omnicol Omnifill 100WD terra Mapei Ultracolor Plus 143
15950	Schönox WD Yasmin Eurocol WD 706 Yasmin Sopro Saphir 5 Perfuge 916 Light beige
15960	Schönox WD Dark grey Sopro Saphir 5 Perfuge 914 Concrete grey

- Please consult the manufacturer's users and safety instructions prior to applying the grout products
- Before grouting it is always advisable to perform a colour test.
- For monochromatic finishing it is advisable to consider the colour of any necessary silicone sealants.

For colours with no grout colour recommendation, we advise to contact our International Service Desk for a list with contact information for grout vendors.

## Floor tiles (Global Collection)

### Dimensions, thicknesses, item codes and colours

Modular sizes in cm incl. 4 mm joint	Manufacturing size in mm	Item code	Colour		
15 x 15	146 x 146 x 8	76010V	Plain porcelain white		
		75200V	Plain grey		
		75220V	Plain mouse grey		
		75230V	Plain grey beige		
		75030V	Plain agate grey		
		75050V	Plain ivory black		
		75020V	Plain sand yellow		
		76240V	Plain naples yellow		
		75070V	Plain copper brown		
		75060V	Plain sienna red		
		75170V	Plain biscuit		
		76260V	Plain dark warm grey		
		30 x 30	296 x 296 x 8	76010V	Plain porcelain white
				75200V	Plain grey
75220V	Plain mouse grey				
75230V	Plain grey beige				
75030V	Plain agate grey				
75050V	Plain ivory black				
75020V	Plain sand yellow				
76240V	Plain naples yellow				
75070V	Plain copper brown				
75060V	Plain sienna red				
75170V	Plain biscuit				
76260V	Plain dark warm grey				

\* The production is set on fixed production sizes as mentioned above. Within the production process of ceramic non rectified floor tiles (30 x 30 cm), it's possible that besides the fixed production sizes other sizes (= calibres) are produced. Hence the calibre code on the boxes of the floor tiles. Mosa always delivers one calibre per pallet. Always use only one calibre when fixing one surface.

### Price groups

15 x 15 (All available colour codes): U 421

30 x 30 (All available colour codes): U 436

### Shades

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

## Technical data

### Powder matt wall tiles

#### Properties in accordance with standard EN 14411 BIII and Mosa Standard

Property	ISO-Test	Req. EN 14411 BIII	Mosa Standard
Length and width	10545-2	+/- 0.5%	+/- 0,4%
Thickness	10545-2	+/- 0.6 mm	+/- 0.4 mm
Straightness of sides	10545-2	+/- 0.3%	+/- 0.2%
Warpage	10545-2	+/- 0.5%	+/- 0.4%
Water absorption	10545-3	>10%	19%
Bending strength	10545-4	15 N/mm <sup>2</sup>	24 N/mm <sup>2</sup>
Coefficient of linear thermic expansion	10545-8	9 x 10 <sup>-6</sup> [K <sup>-1</sup> ]	7,5 x 10 <sup>-6</sup> [K <sup>-1</sup> ]
Thermal shock resistance	10545-9	Required	Resistant
Frost resistance	10545-12	Not required	Not resistant
Chemical resistance (excepting metallic glazes) against:	10545-13		
Household chemicals		Required	GA*
Swimming pool salts			
Acids and alkalis		Required	GLA**
Staining agents	10545-14	≥3	5

\* GA = no visible effects, not even with pencil test.

\*\* GLA = no visible effects (with low dosage).

## Floor tiles (Global Collection)

### Properties in accordance with standard EN 14411 Bla and Mosa Standard

Property	ISO-Test	Req. EN 14411 Bla	Mosa Standard
Length and width	10545-2	+/- 0,6%	+/- 0,3%
Thickness	10545-2	+/- 5 mm	+/- 3 mm
Warpage	10545-2	+/- 0,5%	15x15 +/- 0,4% / 30x30 +/- 0,2%
Slip resistance	See Technical Product Sheet, Ultragres AntislipWater		
Water absorption	10545-3	<0,5%	Surface: <0,05% Underside: ≤0.3%
Bending strength	10545-4	27 N/mm <sup>2</sup>	40 N/mm <sup>2</sup>
Wear resistance	10545-6	205 mm <sup>2</sup>	120 +/- 30 mm <sup>3</sup>
Coefficient of linear thermic expansion	10545-8	9 x 10 <sup>-6</sup> [K <sup>-1</sup> ]	8 x 10 <sup>-6</sup> [K <sup>-1</sup> ]
Thermal shock resistance	10545-9	Required	Resistant
Frost resistance	10545-12	Required	Resistant
Chemical resistance	10545-13		Class UA*
Staining agents	10545-14	≥3	5

\* Chemical resistance against household chemicals, Swimming pool salts, acids and alkalis:  
Class UA = highest class = no visible effects, not even with pencil test.

## Tiling

### Powder matt wall tiles

Mosa wall tiles can be placed with any conventional tiling method, using any mortar or glue suitable for use with glazed wall tiles. Consult the manufacturer's instructions before using the tile glue.

### Floor tiles (Global Collection)

Mosa floor tiles can be placed with any conventional tiling method, using any mortars, glues and grout suitable for double-hardened tiles. Please consult the manufacturer's instructions for suitability and on how to use and process the glue. The subfloor must be sufficiently flat, form-stable, pressure proof, permanently dry and free of dirt, residues and cracks. The modular sizes indicated include 4 mm joint. When gluing, the glue contact surface must be at least 90%. The cement residue on the tile floor must be thoroughly removed with a clean and firm sponge and abundant clean water. This means that the water must be frequently changed. If after drying of the grout (after at least 24 hours) there remains any cement residue on the tile, then this must be removed with a cement residue remover/water solution in the right proportion. For detailed recommendations on cleaning and maintenance, see [www.mosa.nl](http://www.mosa.nl) or the Mosa documentation.

## Related Technical Product sheets

Glazed wall tiles  
Ultragres Fully Vitriified Unglazed

Thin Coved Skirting  
Sloping Shower Edge Tile  
Glazed Wall Tiles

## Cleaning and maintenance

Mosa has had the cleaning of the powder matt wall tiles of the Mosa Matt Collection® tested by professional cleaning organisations, and the results show that the powder matt wall tiles are equally easy to clean and maintain as any other glazed wall tiles, with standard cleaning products.  
Wash down wall tiles regularly with water and a mild detergent. A low dosage of a lime scale remover may also be added. Handle decorative elements with care. Acidic lime scale remover or cement residue remover can damage natural stone inserts or decorative strips. See also the Mosa documentation on [www.mosa.nl](http://www.mosa.nl) for general cleaning recommendations.

## Samples

[showroomservice@mosa.nl](mailto:showroomservice@mosa.nl); Tel: +31 (0)43 368 93 23

## General questions

Sales Support: [servicedesk@mosa.nl](mailto: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 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](http://www.mosa.nl).



Royal Mosa



Meerssenerweg 358  
P.O. Box 1026  
NL-6201 BA Maastricht - The Netherlands  
T +31 (0)43 368 92 29  
F +31 (0)43 368 93 56  
[servicedesk@mosa.nl](mailto:servicedesk@mosa.nl)  
[www.mosa.nl](http://www.mosa.nl)