

Greys

unglazed porcelain tiles

Product description Unglazed, rectified, porcelain floor tiles, manufactured in accordance with EN 14411 Bla and ASTM standards.

Sizes 12" x 12": between 1/8" and 3/16" (joint recommendation)
24" x 24": 1/16" to 1/8" (= min. 2 mm) (joint recommendation)

Usage area Our frost proof floor tiles may be used in residential and commercial environments.

Technical data / conformity standards

Technical data	ASTM test	Requirements	Royal Mosa
Water absorption	C 373	≤ 0.5%	surface: < 0.05% body: ≤ 0.3%
Abrasive wear	C 1243	< 175 mm ³	88 mm ³
Breaking strength	C 648	≥ 250 lbs	12" x 12": ≥ 766 lbs 24" x 24": ≥ 1036 lbs
Bond strength	C 482	≥ 50 psi	246 psi
Facial dimension (range)	C 499	± 0.5%	0.19%
Range of thickness	C 499	≤ 0.04 inch	0.016 < x < 0.019 inch
Actual thickness	C 499		12" x 12": 0.40 inch = 13/32" 24" x 24": 0.47 inch = 15/32"
Warping (calibrated) edge	C 485	± 0.75%	12" x 12": -0.16% ≤ x ≤ 0.07%
Warping (rectified) edge	C 485	± 0.4%	24" x 24": -0.12% ≤ x ≤ 0.02%
Warping (calibrated) diagonal	C 485	± 0.5%	12" x 12": -0.16% ≤ x ≤ 0.00%
Warping (rectified) diagonal	C 485	± 0.4%	24" x 24": -0.14% ≤ x ≤ -0.02%
Wedging (calibrated)	C 502	± 0.5%	12" x 12": -0.23% ≤ x ≤ 0.19%
Wedging (rectified)	C 502	± 0.25%	24" x 24": -0.14% ≤ x ≤ 0.16%
Freeze-thaw cycle	C 1026		frost proof
Mohs scale	C 1026		8
Modules of rupture	C 674	quartzite 2,000 psi	7,650 psi
Coefficient of friction	C 1028	≥ 0.6	0.89 (dry) / 0.77 (wet)

Our limited warranty Royal Mosa warrants that its first choice ceramic tiles are manufactured to ANSI-Standards A 137.1 and meet or exceed the requirements of the standard. Please consult the company's Terms and Conditions for Sale for complete product warranty details.

Recycled content Royal Mosa floor tiles are produced with an environmental friendly recycled content of minimum 20%. Colors do not contain lead particles hazardous to health or environment.

Maintenance Please consult our Cleaning and Maintenance leaflet.

Accessories Also available accessories are Greys skirtings and stair-treads. For details see brochure 'Greys'.

Like any material, Royal Mosa's ceramic tiles can become slippery when wet. Care should be taken to keep the surface dry at all times. Our tiles should be installed in accordance with the current application guides of the Tile Council of America and/or American National Standards Institute guides and standards. Errors and omissions excepted.

This technical product sheet replaces all previous versions. For the most actual version see www.mosa.nl.



Royal Mosa
Meerssenerweg 358
P.O. Box 1026
NL-6201 BA Maastricht
T +31 (0)43 368 92 29
F +31 (0)43 368 93 56
usa@mosa.nl
www.mosa.nl