

Product description Xtreme is a collection of floor tiles consisting of glass, stainless steel and porcelain ceramic, all of which can be used individually and in combination with each other due to modular sizes available in 12 x 12, 18 x 18 and 24 x 24 inch.

Xtreme Glass is available in tempered and non-tempered glass (in case when it needs to be cut) and different appearances like float glass or matt glass, uni colors or metallic colors.

Sizes 12" x 12", 18" x 18" and 24" x 24"

Usage area Our tiles may be used for walls and indoor flooring in residential and commercial environments.

Technical data / conformity standards

Technical data	ASTM test	Requirements	Royal Mosa
Breaking strength	C 648	≥ 250 lbs	V: 3368 lbs NT: 1183 lbs
Actual thickness	C 499		12" / 18": 0.40 inch = 13/32" 24": 0.47 inch = 15/32"
Coefficient of friction	C 1028	≥ 0.6	Regular: 0.99 (dry) / 0.51 - 0.53 (wet) Matt: 0.75 - 0.76 (dry) / 0.76 (wet)

Technical data	Royal Mosa
Mohs scale	5 - 6
Heat conduction coefficient	0.8 W / (m ² x K)
Coefficient of expansion	9 x 10 ⁻⁶ x 1/K
Chemical resistance	DIN 52322 Lyes: class 1 - 2 DIN 1249 Acids: class 1
Glass quality	Tempered float glass - normal non-tempered float glass
Coating quality	Hardened color coating
Color fastness	Constant dampness combined with UV can cause discoloration. Use only for interiors.
Wear resistance	Volume loss after 6000 turns 0.2120 g (EN 154). Dependent on field of application, frequency of use and degree of soling, some gloss may be lost with time.
Scratch resistance	We recommend using these tiles exclusively indoors. Any contact with sand (quartz particles) must be prevented as much as possible by the use of barrier matting. There is no difference in the scratch resistance of tempered and non-tempered glass.

Data from 12" x 12".

Installation instructions

Installing Xtreme Glass, whether in combination with ceramic tiles or not, is not a simple matter. Therefore these installation instructions must be followed carefully. Xtreme Glass is intended exclusively for use on interior floors and walls (and is **not** for exterior use). Mosa recommends that only safety (tempered) glass is to be used for floors and walls (article code Xtreme Glass ...V). The breaking strength is considerably higher than non-tempered glass. Where cutting or drilling is necessary, only non-tempered glass tiles (article code Xtreme Glass ...NT) **should** be used. A black rubber mat covers the back of the Xtreme Glass tile. This protects against possible damage (scratches, etc.) during laying and against the penetration of moisture and other possible harmful substances from the substrate. The rubber mat should never be removed!

Xtreme Glass tiles must be fixed correctly to achieve a satisfactory bond. Ambient temperature from fixing to grouting must not exceed 25°C / 77°F. The substrate must be completely flat and dry. After measurement, the percentage moisture content of the substrate should not be higher than 0.5% for a calcium sulphate based floor screed, 2% for a concrete floor and 4% for a cement screed floor. In the case of **wall** installation, the Xtreme Glass must be supported with **spacers** until grouting. Do not remove the spacers earlier than 15 minutes before grouting starts (remove spacers only in places where you are going to grout immediately; leave other spacers until you need to grout).

Moisture accumulation under the tiles should be avoided. After fixing glass tiles, the adhesive should be allowed to dry for a minimum of 72 hours before grouting! The joints should be completely filled. Only water proof grout should be used. For the walls, Mosa recommends a water proof, cement-based grout with a maximum bonding time of 8 hours. Following consultation with the manufacturers of tile adhesives and grout, Mosa recommends the following products.

Adhesives:

Mapei: Keraflex, Ultraflex 2, Kerapoxy / Laticrete: 317 - 333, Latapoxy

Grouting:

Wall:

Mapei: Ultracolor / Laticrete: Spectra Lock

Floor:

Mapei: Ultracolor, Kerapoxy / Laticrete: Spectra Lock

Installers should read the product data and safety sheets of these adhesives and grouts so that they are fully informed about the product properties, installation guidelines and safety regulations of the relevant manufacturers.

Cutting:

Tempered glass tiles (suffix 'V') cannot be cut to size. However we can deliver non-tempered glass (suffix 'NT') which can be cut to size. These 'NT'-glass tiles can be cut using an oil glass cutter (like K*Star or Three Stars), or water jet. Cut one straight line and then break by using glass nippers or similar.

Different or incorrect laying may affect the appearance of the Xtreme Glass. If the correct laying instructions are not used, Mosa cannot be held liable for any ensuing damage. Mosa will also accept no liability for slipping or falling tiles or for damage to the sides and/or bottom of the colour coating of the glass tiles through moisture accumulation resulting from a damp or wet substrate, the use of the wrong grout, unsound joints (open or broken) or failure to strictly follow these installation instructions. Mosa also excludes all liability for the exterior use of Xtreme Glass.

No rights can be derived from the contents of these installation instructions. For the most actual version see www.mosa.nl.

Our limited warranty

The properties of glass are such that scratches may occur. Entrance barrier matting is recommended to minimize contact with sand.

Please consult the company's Terms and Conditions for Sale for complete product warranty details.

Maintenance

When it comes to cleaning and maintenance, nothing is easier and simpler to clean than Xtreme Glass. Since Xtreme Glass tiles are made of a non-porous material, all that is required to clean your new glass tiles are the same household products you would use to clean your windows and mirrors.

No special products are necessary.

We advise against the use of abrasive cleaners.

The floor should be dried immediately to avoid lime marks.

Please consult our Cleaning and Maintenance leaflet.

Like any material, Royal Mosa's ceramic tile can become slippery when wet. Mosa can accept no liability for the consequences of accidents caused by this. Care should be taken to keep the surface dry at all times. To avoid scratches, do not stack tiles or lay them face down. Mosa is not responsible for injuries as a result from shattered glass fragments. Do not remove grout hazing with abrasive cleaners, scouring pads, steel wool or sandpaper. 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.



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