

weber.xerm 869

Drainage mortar

Drainable mortar for laying ceramic tiles, natural stone and paving



Product profile

- also for balconies and terraces
- for laying ceramic tiles, natural stone slabs and natural paving stones in a drained thick-bed mortar
- for indoor and outdoor use

Product advantages

- resistant to frost and de-icing salts
- high water permeability
- air content > 15%

Product description

weber.xerm 869 is a factory-mixed, mineral dry mortar.

Fields of application

weber.xerm 869 is used as a drainage mortar bed or drainage screed on balconies and terraces to accommodate ceramic tiles, natural stone coverings and natural stone paving.

Product features

- for drainable thick-bed constructions
- for layer thicknesses from 4 to 10 cm

Consumption / yield

per cm layer thickness: approx. 18.0 kg / m²

Technical values

Application temperature (Range)	min. 5 °C - 30 °C
Application time	approx. 30 minutes
Open to foot traffic	24 hours
Joint application after	7 days
Flexural strength (28 days)	3 N/mm ²
Compressive strength (28 days)	25 N/mm ²
Mixing ratio	3.6 bis 3.8 l Wasser/40kg Sack
Application tool	trowel, smoother, rubber float
Composition	high-quality cement, selected aggregates

Storage

Shelf life	min. 12 months
Storage conditions	In the original unopened packaging, dry and protected from moisture.

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Application

Surface preparation

- The surfaces must be sufficiently solid, load-bearing, clean, dry, dimensionally stable and free from all adhesion-impairing particles and substances. Concrete substrates must be free of cement laitance. Oil, grease, wax and care product residues must be completely removed.
- Screeds with slope must be waterproofed with, for example, **weber.xerm 844**.
- The necessary substrate preparation must be adapted to the specific job site conditions.

Application

Mixing

- Mix dry mortar in a free-fall mixer or continuous mixer (m-tec D 20). In case of small mix complete bags in a wheelbarrow; do not mix partial quantities.

Thick-bed laying

- Lay a layer of **weber.xerm 869** in earth-damp consistency on the waterproofed sloped screed (e.g. **weber.xerm 844**) at a thickness of at least 4 cm onto the fresh bonding layer of **weber.xerm 867** and level with levelling beams.
- Mix the trass bonding layer **weber.xerm 867** to a slurry-like consistency and apply it as a full-surface contact coat on the back of the natural stone slabs using a brush.
- Then lay the slabs “wet-on-wet” onto the mortar bed of **weber.xerm 869**. Bring the slabs to the right height using a rubber mallet. The surface is open to full service after 7 days.

Thin- or medium-bed laying on drainage mortar

- Apply **weber.xerm 869** drainage mortar at least 4 cm thick on top of the sloped screed with waterproofing (e.g. **weber.xerm 844**). Level the mortar using levelling beams and smooth it slightly with a wooden or plastic float.
- Once the drainage mortar has fully hardened, lay the ceramic tiles or the calibrated natural stones using the medium-bed method with the trass-bearing flexible adhesive mortar **weber.xerm 862**, for example.

General notes

Do not use material that has already stiffened.

All the characteristics mentioned in this data sheet are based on an ambient temperature of 23°C, in the absence of draughts, and a relative humidity of 50%.

Higher temperatures and lower humidity accelerate the setting process, while lower temperatures and higher humidity delay it.

For the installation of natural or artificial stone slabs, follow the supplier's recommendations. If in doubt, carry out preliminary tests.

Für die Verlegung sind die aktuellen ZDB-Merkblätter sowie die einschlägigen Richtlinien zu beachten

weber.xerm 869 is subject to regular quality control through self-monitoring.

Special notes

Ensure that the drainage mortar is sufficiently efficient. To improve horizontal drainage performance, we recommend installing a drainage mat, such as Gutjahr Aquadrain EK. When using **weber.xerm 869** on a bituminous membrane, drainage mat (e.g. Gutjahr Aquadrain EK) or a separating underlay, the minimum dry layer thickness of **weber.xerm 869** is 5 cm.

To achieve optimal drainage, always apply **weber.xerm 869** should only be applied in an earth-moist consistency.

weber.xerm 869 hat einen Wasserdurchlässigkeitswert von $> 500 \text{ l/m}^2 \cdot \text{h}$ (drucklos geprüft an einer 5 cm dicken Platte aus weber.xerm 869)

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Packaging units

Type	Unit	PU
sack	40 kilogram	30 sacks / palett

The information in this technical information is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.

Registered office: Willstätterstr. 60 | 40549 Düsseldorf
Contact: export.de.weber@saint-gobain.com | www.de.weber
Commercial register: AG Düsseldorf HRB 65250 | VAT no.: DE 122392875