

weber.xerm 869

Drainage mortar

Drainage mortar 4 - 10 cm on balconies and terraces

Fields of application

For use as drainage mortar bed or drainage screed on balconies and terraces to accommodate ceramic tiles and natural stone slabs.

Also for the same use with natural paving stones on balconies and terraces.

For use indoors and outdoors.

Description

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

Composition

High-quality cement, selected aggregates

Main features

- **EMICODE EC1^{PLUS}**: very low emission of volatile substances
- high water permeability
- air content > 15%
- resistant to frost and de-icing salts
- for laying ceramic tiles, natural stone slabs and natural paving stones in drained thick-bed mortar
- layer thickness from 4 cm up to 10 cm
- also for balconies and terraces
- for use indoors and outdoors

Technical values

| | |
|---------------------------------|------------------------------|
| Application temperature: | +5°C - +30°C |
| Pot life: | approx. 30 minutes |
| Open to foot traffic: | approx. 24 hours |
| Open for grouting works: | approx. 7 days |
| Flexural strength (28 days): | approx. 3 N/mm ² |
| Compressive strength (28 days): | approx. 25 N/mm ² |

Quality control

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

General notes

- All characteristics mentioned in this data sheet are based on a temperature of +23°C without draught and a relative humidity rate of 50%.
 - Higher temperatures and lower humidity rates accelerate, lower temperatures and higher humidity rates delay the setting process.
 - Comply with the national standards and/or guidelines, for ex. leaflets of ZDB (Central Association of German Construction Industry); if not issued and if necessary, request technical advice.
 - For installation of natural or artificial stone slabs follow the supplier's recommendations. If in doubt, carry out preliminary tests.
 - Do not use material that has already stiffened.
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Special notes

- Ensure that the drainage mortar is sufficiently efficient. For improving the horizontal drainage performance, we recommend to install a drainage mat, like for ex. Gutjahr Aquadrain EK, on the dry waterproofing layer (for ex. the 2-comp. reactive waterproofing slurry **weber.tec Superflex D 2** or the 2-comp. waterproofing compound **weber.xerm 844**).
 - When using **weber.xerm 869** on a bitumen membrane, a drainage mat (for ex. Gutjahr Aquadrain EK) or aseparating underlay, the minimum dry layer thickness of **weber.xerm 869** is 5 cm.
 - Always apply **weber.xerm 869** in earth-moist consistency in order to achieve an optimal drainage.
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Substrate preparation

- The substrate must be sufficiently solid, load-bearing, clean, dry, dimensionally stable, and free of all adhesion-impairing particles and substances.
- Concrete substrates must be free of cement laitance.
- Completely remove oil, grease, wax and care product residues.
- Screeds with slope must be waterproofed with **weber.tec Superflex D 2** or **weber.xerm 844**.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- Mix 3.6 - 3.8 liters clean water /40 bag in a free-fall mixer or a continuous mixer (m-tec D 20).
- In case of small quantities mix complete bags in a wheelbarrow; do not mix partial quantities.

Thick-bed laying as drainage mortar

- Apply the trass-bearing bonding layer **weber.xerm 867** full-surface using a broom on the waterproofed sloped screed.
- Lay **weber.xerm 869** in earth-damp consistency in a thickness of 4 cm to 10 4 cm onto the fresh bonding layer and level with levelling beams.
- Mix **weber.xerm 867** in slurry-like consistency and apply once more full-surface as contact coat on the back of the natural stone slabs, using a brush.
- Afterwards lay the slabs “wet-on-wet” onto the mortar bed **weber.xerm 869** and put in the right height and level using a rubber mallet.
- After 7 days the surface is open to full service.

Thin- or medium-bed laying on drainage mortar

- After full drying of the above-mentioned waterproofing product apply **weber.xerm 869** in a thickness of at least 4 cm on top of the sloped screed.
- Level the mortar with levelling beams and slightly smooth with wooden or plastic float.
- After full hardening of the drainage mortar lay the ceramic tiles or the calibrated natural stones in the medium-bed method, by applying for ex. the trass-bearing flexible adhesive mortar **weber.xerm 862**.
- Remove mortar residues using a wet sponge.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Application thickness:

4 - 10 cm

Water demand:

approx. 3.6 - 3.8liters / 40 kg

Tools:

Free-fall mixer, continuous mixer (m-tec D 20), wheelbarrow, broom, brush, wooden or plastic float, rubber mallet, sponge, thin-bed or medium-bed notched trowel (for **weber.xerm 862**)

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry and protected from moisture.

Consumption

per cm layer thickness: approx. 18.0 kg/m²

Packagings

| Type | Sales unit | Number / euro-pallet |
|-----------|------------|----------------------|
| Paper bag | 40 kg | 30 bags |

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