

weber.xerm 862

Flexible tile adhesive, trass

White, flexible, medium-bed and trass-bearing adhesive for tiles, slabs and natural stones (C2 TE)

Fields of application

For laying calibrated and uncalibrated natural and artificial stones which are not sensitive to moisture/discoloration, indoors and outdoors.

Following substrates are allowed: e.g. cement and calcium sulphate screeds (heated and non-heated), concrete, aerated concrete, dry screeds, gypsum plasterboards, gypsum paperboards and gypsum fiberboards.

Can be also applied on following **Weber** waterproofing compounds as bonded systems: **weber.tec 824** (1-comp. cement-based normal-setting), **weber.xerm 844** or **weber.tec Superflex D 2** (2-comp. quick-setting and reactive compounds).

Furthermore, for use on the drainage mortar **weber.xerm 869**.

The trass content offers an increased protection against lime efflorescence in case of wet exposure when used on exterior and on interior surfaces.

For use indoors and outdoors.

Description

weber.xerm 862 is a factory-mixed, flexible medium-bed mortar of **class C2 TE** "cement-based adhesive with reduced slip and extended open time" according to EN 12004.

Composition

Cement, trass, selected aggregates, additives

Main features

- **class C2 TE:** C2: pull-off strength $\geq 1.0 \text{ N/mm}^2$ after all storage conditions – T: thixotropic, slip $\leq 0.5 \text{ mm}$ – E: extended open time ≥ 30 minutes
- can be applied as medium-bed adhesive
- for layer thickness from 5 mm up to 20 mm
- reduced risk of lime efflorescence thanks to trass content
- on the basis of white cement

- high slip resistance
- high bonding strength
- suitable for heated floor constructions
- for walls and floors
- for use indoors and outdoors

Technical values

Application temperature:	+5°C - +30°C
Pot life:	approx. 2 hours
Bonding open time:	approx. 30 minutes
Open to foot traffic:	approx. 24 hours
Open for grouting works:	approx. 24 hours
Open to full service:	approx. 7 days
Pull-off strength after dry storage/heat aging/ water immersion/freeze thaw cycling:	≥ 1.0 N/mm ²
Temperature resistance:	-20°C to +70°C
Reaction to fire:	class E (EN 12004)
Chromate content:	low content (EC regulation 1907/2006)

Quality control

weber.xerm 862 is subject to a regular quality control by self-monitoring according to EN 12004.

General notes

- **Limits of use:** do not use **weber.xerm 862** for bonding “tile on tile” outdoors, in permanently wet areas and in areas permanently under water (without waterproofing); in these cases, use the epoxy resin adhesive **weber.xerm 847**.
- Neither use for bonding the impact sound insulation and de-coupling boards **weber.sys 830** and **sys 832** on the floor, nor for fixing tiles, slabs and natural stones on top.
- For full information relating to allowed substrates and tile coverings refer to the **Weber** chart “**Overview Tile Adhesives**”.
- All characteristics mentioned in this data sheet are based on a temperature of +23°C without draught and a relative humidity rate of 50%.

- Comply with the national standards and/or guidelines, for ex. DIN 18157 “Execution of tilings and coverings by thin-bed method with cement-based mortars” and the leaflets of ZDB (Central Association of the German Construction Industry); if not issued and if necessary, request technical advice.
- Take preliminary measures before fixing coverings on wooden (timber planks) or metal substrates, for ex. with de-coupling boards combined with a self-levelling mortar or an epoxy resin broadcasted with silica sand etc. Request technical advice.
- For installation of natural or artificial stone slabs follow the supplier’s recommendations. If in doubt, carry out preliminary tests.
- Respect the maximum residual moisture content of the substrate at the time of installation of ceramic coverings and natural stones; it should not exceed 2.0 CM-% (by weight) in case of heated or non-heated cement screeds, 0.5 CM-% (by weight) in case of heated or non-heated anhydrite screeds, 1.0% in case of gypsum plasters, and air-dry for cement and cement-lime plasters. The moisture content must be measured with a carbide hygrometer (CM) as a rule.
- Check the compatibility of the tile adhesive with natural stones on a trial area.
- Do not install tiles, slabs or natural stones that have been stored damp, wet, or too cold.
- Protect the structure from moisture until the tile adhesive has completely set.
- Do not use material that has already stiffened.

Special notes

- When levelling substrates with lower compressive strengths and raw densities (e.g gypsum plasters, lightweight plasters, aerated concrete etc.) or calcium sulphate screeds, apply the tile adhesive in a maximum thickness of 3 mm.

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 agent residues.
- Remove chalking paints as well as solid lacquer and dispersion paints mechanically.
- Calcium sulphate flow screeds: grind, dust-vacuum off dust and use the 1-comp. quick-drying multi-use primer **weber.prim 804**.
- Absorbent substrates: apply the primer **weber.prim 801**.
- Non-absorbent, smooth substrates (indoors): apply the bonding primer **weber.prim 803**.
- **weber.prim 804** as multi-use primer can also be used for absorbent and non-absorbent substrates.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- Pour clean water in a suitable mixing vessel and add the powder. Mix the bag content (25 kg) with approx. 5.8 liters of water, using an electric drill and an appropriate stirrer (for ex. **weber.sys Rührpaddel** no. 2 or no. 8) until lump-free.
- If required, stir up the mortar again with a trowel or a low-speed drill without adding more water.

Application

- Apply a contact coat of **weber.xerm 862** on the substrate with the smoothing trowel and comb down a uniform adhesive bed with the notched trowel at an angle of 45° - 60°.
- Before a skin starts to form (check the tackiness of combed down tile adhesive with the finger), slide the tiles into the fresh mortar bed with a slight twisting motion and press down.
- Scratch out the joints before the tile adhesive hardens.
- Remove fresh mortar residues using a wet sponge.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Colour:
white

Bed thickness:
up to 20 mm

Water demand:
approx. 5.8 liters / 25 kg

Tools:
Electric drill + stirrer **weber.sys Rührpaddel** no. 2 or no. 8, smoothing trowel, thin-bed or medium-bed notched trowel

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

Technical Data Sheet



Consumption

10 mm notch:	approx. 4.6 kg/m ²
medium-bed notch:	approx. 4.9 kg/m ²

Packagings

Type	Sales unit	Number / euro-pallet
Paper bag	25 kg	42 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.