

weber.xerm 854

Flexible lightweight tile adhesive

Low-dust, white, lightweight adhesive mortar for laying tiles, slabs and glass tiles



Product profile

- for glass tiles and natural stone
- low-dust application
- for demanding surfaces and floor coverings

Product advantages

- C2 TE / S1 in accordance with DIN EN 12004
- exceptionally stable
- extremely cost-effective

Product description

weber.xerm 854 is a factory-produced, flexible lightweight adhesive mortar in accordance with DIN EN 12004.

Fields of application

weber.xerm 854 is suitable for installing ceramic wall and floor tiles, as well as non-discolouring natural stone, porcelain stoneware and artificial stone (e.g. terrazzo), in interior and specific exterior areas. Thanks to its white colour, the product is also particularly well-suited for bonding glass tiles and glass mosaics. **weber.xerm 854** is suitable for use in damp rooms and areas with high humidity levels. This variably adjustable lightweight adhesive mortar combines the properties of thin-, medium- and flow-bed adhesives while offering exceptionally high coverage. **weber.xerm 854** is characterised in particular by its very high stability with all types of tiles and its particularly easy and comfortable application.

Product features

- low-dust
- extremely high yield
- exceptionally stable
- highly flexible
- suitable for laying glass tiles
- for levelling out unevenness and defects up to 10 mm thickness

Consumption / yield

4 mm notched trowel	approx. 1.0 kg/m ²
6 mm notched trowel	approx. 1.3 kg/m ²
8 mm notched trowel	approx. 1.8 kg/m ²
10 mm notched trowel	approx. 2.1 kg/m ²
medium-bed notch:	approx. 3.5 kg/m ²

Technical values

Water demand (absolute)	0.5 - 0.57 l/kg
Application temperature	min. 5 - 30 °C
Adhesive bed thickness	10 mm

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Application time	3 hours
Open time	30 minutes
Open to pedestrian traffic	24 hours
Open for grouting works	24 hours
Full load after	7 days
Temperature resistance	-15 - 70 °C
Building material class [according to DIN 4102-1]	A2
Application tool	smoother, thin-bed notched trowel, mediumbed notched trowel
Base color	white
Composition	cement, selected aggregates, lightweight fillers, additives

Storage

Shelf life	min. 18 months
Storage conditions	In the original unopened packaging, dry and protected from moisture.

Application

Surfaces

cement screed, calcium sulfate screed, floor heating, concrete, mastic asphalt, gypsum fiberboard, plasterboard, gypsum plasterboards, tile building panels, mineral subsurface, cementitious substrate, tiles, other substrates must be evaluated on a case-by-case basis

Surface preparation

- The surfaces must comply with the requirements of DIN 18157.
- The surfaces must be sufficiently solid, load-bearing, clean, dry, dimensionally stable and free from substances that may impair adhesion. Concrete surfaces must be free from cement laitance. Residues of oil, grease, wax and care agents must be completely removed.
- Old or soiled asphalt substrates must be mechanically roughened. Clean, sufficiently sanded-off asphalt screeds can be covered without primer; otherwise, asphalt screeds must be pretreated with the primer **weber.prim 803**. Chalking paints, as well as solid lacquer and dispersion paints, must be removed mechanically.
- The surfaces of calcium sulphate-based flowing screeds must be sanded, then cleaned using an industrial vacuum cleaner and subsequently primed with **weber.prim 804**.
- Absorbent surfaces must be pre-treated with **weber.prim 801** and non-absorbent, smooth surfaces (in interior areas) with **weber.prim 803**.
- As a fast multifunctional solution, **weber.prim 804** can also be used for pre-treatment.

Application

- Measure out the specified amount of clean mixing water and pour it into a suitable container. Then add the powder and mix with an electric drill and appropriate stirrer until the mortar is free of lumps.
- If necessary, you can rework the mortar without adding any more water using a trowel or a slow-running mixer.
- Apply a contact layer with a smoothing trowel, then comb out a uniform adhesive bed with a notched trowel held at an angle of 45-60°.
- When installing glass tiles, a full-surface contact layer must be applied to the back of the tiles.
- Before skin formation occurs (check the combed adhesive mortar for tackiness with a finger), slide the tiles into the fresh mortar bed and press firmly into place.
- Remove any mortar residue while it is still fresh using a damp sponge. Clean tools immediately after use with water.

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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, with no 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.

Metal and wooden surfaces must be prepared using appropriate methods before installation.

When laying the flooring, comply with national standards or national standards or German DIN 18157, the current ZDB technical data sheets and the relevant guidelines. The maximum permissible residual moisture content of the subfloor must not be exceeded at the time of installation.

The structure must be protected from moisture until it has fully set.

Tiles, slabs or natural stone that are damp, wet or have been stored in conditions that are too cold must not be installed.

For bonding in areas subject to constant moisture (W3-I) and in permanently submerged areas, we recommend using tested products such as **weber.xerm 844** or **weber.xerm 861**.

The suitability of the natural stone must be verified through preliminary tests.

Do not allow cured tile adhesive to come into contact with water until it has reached full strength.

weber.xerm 854 is subject to regular quality control through in-house monitoring in accordance with DIN EN 12004.

Special notes

The maximum adhesive bed thickness must not exceed 3 mm when levelling surfaces with lower compressive strength and bulk density, such as gypsum and lightweight plasters, and aerated concrete blocks. The same applies to poured asphalt and calcium sulphate screeds.

The manufacturer's application guidelines must be followed when installing glass tiles or mosaics. Even when the tiles are applied correctly, colour variations may occur.

Further detailed information on the suitability and applications of the adhesives can be found on pages 18-19 of the Tiling Guide.

Packaging units

Type	Unit	PU
bag	15 kilogram	48 bags / palett