

weber.xerm 843

Super-lightweight S2 adhesive

Highly flexible Comfort tile adhesive



Product profile

- for ergonomic application
- designed for laying all formats
- for installation on fresh cement screeds

Product advantages

- makes work noticeably easier
- ultra-creamy and extremely high-yield
- C2 TE / S2 in accordance with DIN EN 12004

Product description

weber.xerm 843 is a factory-produced, super-flexible S2 thin-bed tile adhesive in accordance with DIN EN 12004.

Fields of application

weber.xerm 843 is a one-component, super-flexible (S2) and ultra-lightweight tile adhesive specially developed for installing large-format and mega-format tiles. It is ideal for absorbing tension in tiled installations over underfloor heating systems, on fresh cement screeds or concrete, and on dimensionally stable timber substrates. This eliminates the need for a decoupling mat in many applications. This lightweight adhesive has an excellent ability to absorb substrate movement and deformation. As a **"Comfort Engineered"** tile adhesive, it has a very fine structure and stands out in particular for its low weight. A 12.5 kg pack provides the same coverage as a standard 25 kg pack of conventional tile adhesive. In addition, the extremely creamy **weber.xerm 843** is low-dust, making it exceptionally easy to apply.

Product features

- one-component
- high bonding strength
- high deformability
- excellent wetting capability due to its consistency
- fresh cement screeds can be covered directly from the 3rd to the 7th day
- suitable for walls and floors
- for indoor and outdoor use
- for layer thicknesses of 2-15 mm

Consumption / yield

4 mm notched trowel	approx. 0.8 kg/m ²	16 m ²
6 mm notched trowel	approx. 1.1 kg/m ²	11.5 m ²
8 mm notched trowel	approx. 1.5 kg/m ²	8.5 m ²
10 mm notched trowel	approx. 1.9 kg/m ²	6.6 m ²
12 mm notched trowel	2.4 kg/m ²	5.4 m ²

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Technical values

Water demand	6.3–7.9 litres per 12.5 kg
Water demand (absolute)	0.5 - 0.6 l/kg
Application temperature	5 - 30 °C
Adhesive bed thickness	15 mm
Application time	approx. 3 hours
Open time	30 minutes
Open to pedestrian traffic	12 hours
Open for grouting works	12 hours
Full load after	3 days
Temperature resistance	-15 - 70 °C
Reaction to fire [EN13501-1]	E fl
Building material class [according to DIN 4102-1]	A1
Application tool	smoother, thin-bed notched trowel
Base color	grey
Composition	polymer-modified, hydraulically setting special mortar with selected aggregates

Storage

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

Application

Surfaces

concrete, aerated concrete, lightweight concrete block, plaster, cement screed, calcium sulfate screed, mastic asphalt, floor heating, tile building panels, gypsum plasterboards, gypsum fiberboard, Suitable screwed wood-based panels and dry screeds, cavity floor / raised floor, wooden constructions, chipboard, OSB boards

Surface preparation

- The surfaces must comply with national standard requirements or those of the German DIN 18157.
- The substrate must be sufficiently solid, load-bearing, clean, dry, dimensionally stable and free from any substances that may impair adhesion. Concrete substrates must be at least 28 days old and 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**.
- For tile-on-tile installation (interior areas) on floors with normal residential use, no primer is required. On wall surfaces, a scratch coat must be applied. For commercial applications, priming with **weber.prim 803** is mandatory for both walls and floors.
- Timber substrates, such as OSB boards and chipboard, as well as existing mosaic parquet and rigid vinyl, can be pre-treated with **weber.prim 804**.

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Application

- Measure out the specified amount of clean mixing water into a suitable container. Then add the powder and mix until smooth using a suitable mixer.
- Leave to stand for 5 minutes. If necessary, the mortar can be re-stirred with a trowel or a **slow**-speed mixer without adding any further water.
- Apply a contact layer to the surface using a smoothing trowel, then use a notched trowel suited to the tile size and the evenness of the surface to create an even adhesive bed at an angle of 45°–60°.
- When installing over underfloor heating systems, in exterior areas, or when fixing natural stone, installation should be as void-free as possible. Applying the buttering-floating method can help to achieve the desired result.
- 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. The joints must be raked out before the mortar hardens.
- For cement-based tiles and cement-bonded tiles, always consult the tile manufacturer's technical data sheet or contact the manufacturer directly.
- Remove any mortar residue while it is still fresh using a damp sponge. Clean tools immediately after use with water.

General notes

Do not use material that has already stiffened.

All the characteristics mentioned in this data sheet are given at a temperature of +23°C, in the absence of draughts, and with 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 substrates and dimensionally stable timber substrates must not be tiled without appropriate surface preparation. Please consult our technical support team.

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.

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

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

weber.xerm 843 is subject to regular quality control through in-house monitoring in accordance with DIN EN 12004.

Special notes

Not suitable for use in swimming pools or for bonding discolouration-sensitive natural stone.

When levelling substrates with a low compressive strength and density (e.g. gypsum plaster, lightweight plasters and aerated concrete blocks), or when levelling mastic asphalt and calcium sulphate screeds, the maximum thickness of the adhesive bed must not exceed 3 mm.

Do not use in combination with non-ferrous metals such as zinc, lead, copper or aluminium. Built-in components, such as rails and edge profiles, must be made of stainless steel.

For bonding floor coverings on balconies or terraces, we recommend using **weber.xerm 844** or **weber.xerm 859 F**.

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Packaging units

Type	Unit	PU
bag	12.50 kilogram	48 bags / 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.

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