

## weber.plan 818

### Quick-setting levelling and repair mortar

#### Low-dust rapid mortar for repair and levelling works on walls and floors for thicknesses 1 - 30 mm

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##### Fields of application

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As quick-setting, low-dust and high-yield mortar on hydraulic binder basis for repair and levelling works, preferably on walls.

For the production of small-size levelling layers as well as for partial repair and levelling of masonry, concrete and mineral renders.

Also suitable for the production of small-size gradient layers on concrete and screed surfaces in case of normally stressed floor areas which will be covered with ceramic tiles or natural stones.

weber.plan 818 is suitable for layer thicknesses of 1 - 30 mm in one operation due to its low shrinkage and fast-setting.

After approx. 5 hours, it can already be covered with ceramic tiles. The product can be levelled and smoothed easily; thanks to its lightweight fillers, it is easy to process and has a high yield. For indoors and outdoors.

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##### Description

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weber.plan 818 is a hydraulic, quick-setting levelling and repair/patching mortar according to EN 998-1.

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##### Composition

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Special cement, selected aggregates, lightweight fillers, additives

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##### Main features

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- compressive strength of class CS IV (EN 998-1)
- low shrinkage, fast hardening
- fast-setting, even at cooler temperatures
- waterproof and frost/thaw resistant
- for substrate levelling and as gradient layer
- easy application, levelling and smoothing

# Technical Data Sheet



- can be painted after 24 hours
- low-dust processing

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## Technical values

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Pot life:	approx. 45 minutes
Application temperature:	+5°C - +30°C
Flexural strength:	approx. 2.5 N/mm <sup>2</sup>
Compressive strength:	approx. 6 N/mm <sup>2</sup>
Ready for covering:	approx. 5 hours for ceramic tiles approx. 24 hours for paints

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## Quality control

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weber.plan 818 is subject to a regular quality control by self-monitoring.

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## General notes

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- Do not process already stiffened material.
  - 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 accelerate, whilst lower temperatures and higher humidity delay the setting process.
  - Protect freshly installed surfaces from draughts, and the direct effects of sun light and heat.
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## Special notes

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- Limits of use: do not use on gypsum-containing substrates.
- In case of domestic (residential) floors (traffic loads up to max. 2 KN/m<sup>2</sup> according to DIN 1055) weber.plan 818 can only be used in combination with subsequent ceramic tiles or natural stones.
- Natural stones which are sensitive to discolouration may only be laid on the hardened mortar after a drying time of at least 24 hours.

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## Substrate preparation

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- The substrate must be sufficiently load-bearing, clean, dry, frost-free, dimensionally stable and free of all adhesion-impairing substances.
- Remove loose or flaking mortar and paint residues.
- Smooth, mineral substrates must be roughened mechanically by grinding, sandblasting or shot-blasting.
- Absorbent substrates: use the primer weber.prim 801 (diluted 1 : 1 with water).
- Slightly absorbent, smooth substrates (e.g. old tiles indoors): use the bonding primer weber.prim 803.
- The multi-use quick-drying primer weber.prim 804 can also be used for pre-treatment of all substrates.
- The substrate preparation must be adapted to the specific job site conditions.

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## Working instructions

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### Mixing

- Pour the gauging water (approx. 4.8 liters of water per 20 kg bag) according to the desired consistency into a suitable bucket, add powder and mix using an electric drill and an appropriate stirrer (for ex. weber.sys Rührpaddel no. 2 or no. 8), until lump-free.
- The mortar can be applied immediately after mixing; if necessary, the fresh mortar can be beaten again with a trowel.

### Application

- Apply a **full-surface contact layer of weber.plan 818**, using a flat trowel or a brush.
- Afterwards apply the mortar in the required thickness (1 - 30 mm).
- Level out the mortar flush with aluminium beam or wooden float, avoiding honeycombs or gaping holes.
- The levelled surface must not be smoothed; it should be sufficiently even and rough in order to provide a good bonding with the adhesives for tiles, slabs or natural stones.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

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## Practical information

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Colours:

grey

Water demand:

approx. 4.8 liters / 20 kg

Tools:

Electric drill + stirrer weber.sys Rührpaddel no. 2 or no. 8, flat trowel, brush, aluminium beam, wooden float

Storage:

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

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## Consumption:

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per mm layer thickness: approx. 1.2 kg/m<sup>2</sup>

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## Packagings

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Type	Sales unit	Number / euro-pallet
Plastified bag	20 kg	48 bags

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*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.*