

## **weber.plan 819**

### **Quick-setting levelling mortar**

### **Quick-setting and shrinkage-compensated levelling mortar for walls and floors for thicknesses 5 - 30 mm**

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#### **Fields of application**

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As non-sag and shrinkage-compensated mortar for levelling and repairing wall and floor surfaces of different substrates.

Following substrates are allowed: concrete (sufficiently old, professionally treated, in swimming pool constructions at least 6 months old), masonry with compressive strength  $> 6 \text{ N/mm}^2$  (e.g. sand-lime brickwork, concrete block), lime-cement and cement renders with compressive strength  $> 6 \text{ N/mm}^2$  (class CS IV), cement and quick-cement screeds.

Also as full-surface render, also in swimming pool constructions.

For indoors and outdoors.

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#### **Description**

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weber.plan 819 is a hydraulic, quick-setting levelling mortar according to EN 998-1.

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#### **Composition**

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Special cement, selected aggregates, light fillers, additives

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#### **Main features**

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- compressive strength of class CS IV (EN 998-1)
- non-sag
- does not stick to the tools
- for walls and floors
- for substrate levelling and as gradient layer
- for swimming pools

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## Technical values

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Pot life:	approx. 25 minutes
Maturity time:	approx. 3 minutes
Application temperature:	+5°C - +30°C
Flexural strength:	approx. 4 N/mm <sup>2</sup>
Compressive strength:	approx. 12 N/mm <sup>2</sup>
Open to foot traffic:	approx. 1.5 hours
Ready for covering:	approx. 2 hours with tiles
Chromate content:	low content (EC regulation 1907/2006)

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## Quality control

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weber.plan 819 is subject to a regular quality control by self-monitoring according to EN 998-1.

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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.
  - The freshly applied mortar must be protected from draughts, strong sunlight or heat.
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## Special notes

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- **Limits of use:** do not use on cellular concrete, lightweight masonry and substrates containing gypsum or anhydrite.
- Swimming pools must consist of watertight concrete, or after being levelled with weber.plan 819, must receive a waterproofing system, for ex. weber.tec 824, weber.tec Superflex D 2, weber.tec 827/827 S or weber.xerm 844 (bonded systems). The waterproofing works can begin after around 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.
- Before application pre-wet the substrate until dull-moist.
- Afterwards apply a full-surface scratch coat of weber.plan 819 as bonding layer, using a flat trowel.
- 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. 6.0 liters of water per 25 kg bag or 0.23 - 0.24 liter per kg) according to the requested 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) for at least 3 minutes, until lump-free.
- After a maturing time of 3 minutes, stir again briefly at slow speed.
- Do not add any more water.

### Application

- Level out main defects (unvenesses, holes) with weber.plan 819 beforehand.
- Apply the mortar "wet-in-wet" onto the fresh bonding coat in the required layer thickness (5 - 30 mm).
- The product can be thrown-on (on walls) by a trowel and processed according to the common plastering rules or applied using a flat trowel (walls and floor).
- 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.
- Protect freshly installed surfaces from draughts, and the direct effects of sunlight and heat.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

After approx. 2 hours weber.plan 819 can be covered with tiles, using the thin-bed method with a flexible cement-based adhesive, for ex. weber.xerm 852-

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## Practical information

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Colours:

grey

Water demand:

approx. 6 liters / 25 kg

Tools:

Electric drill + stirrer weber.sys Rührpaddel no. 2 or no. 8, flat trowel, trowel (for thrown-on), aluminium beam, wooden float

Storage:

The product can be stored for at least 6 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. 1.4 kg/m<sup>2</sup>

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## Packagings

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