

## weber.sys 891

### Sealer under hollow ceramic tiles

#### 1-comp. injection liquid for sealing of hollow spaces and filling of hairline cracks

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##### Fields of application

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**weber.sys 891** is a low viscosity liquid with extraordinary penetrative properties. For force-fitting sealing/consolidation of hollow spaces under ceramic tiles and de-bonded screeds (cement or calcium sulphate) or de-bonded renders.

For filling horizontal hairline cracks in concrete, granolithic, mosaic and terrazzo floors.

Also for filling hairline cracks in vertical surfaces in case of de-bonding renders.

Due to its exceptional creeping performance the product can be poured into finest hairline cracks with minimal assistance and it penetrates deep into the substrate all over the de-bonded surface. Hence it often avoids the complete removal of such areas.

Once set, it forms a rubbery mass with good flexibility and bonding strength, providing a resilient filling of cracks or hollow spaces.

For use on floors and walls, indoors and outdoors.

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##### Description

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**weber.sys 891** is a 1-component and ready-to-use liquid for sealing hollow spaces under floor ceramic tiles and de-bonded floor screeds, and for filling hairline cracks.

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##### Composition

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Acrylic co-polymer dispersion

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##### Main features

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- exceptional creeping properties
- ready-to-use
- makes all dismantling works of all ceramic coverings unnecessary
- for indoors and outdoors
- suitable for floors and walls

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## Technical values

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Consistency:	liquid
Application temperature:	+5°C - +25°C
Drying time:	depends on application case and frequency of operations
Bonding strength onto concrete:	1 N/mm <sup>2</sup>
Elongation:	500%

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## Quality control

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**weber.sys 891** is subject to a regular internal quality control.

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## General notes

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- All characteristics mentioned in this data sheet are given for a temperature of +23°C, without draft and a relative rate of humidity of 50%.
  - Lower temperatures and higher relative humidity rates slow down, higher temperatures and lower relative humidity rates accelerate the drying process.
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## Special notes

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- **Limits of use:** do not use **weber.sys 891** on wet or damp substrates. The product is water-based and should be applied to dry surfaces, otherwise, it will not set. The water content must dry out, either through the surroundings, or evaporate.
  - In case of wider cracks (> 1 mm) or in case of surfaces with high loads use the epoxy resin primer **weber.prim 806**.
  - All statements mentioned in this data sheet are based on our laboratory tests and practical experience. They might differ on specific job sites. If necessary, carry out preliminary tests; if in doubt, request technical advice.
  - Do not mix any foreign materials during application.
  - Clean tools with water immediately after use.
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## Preparation of substrates

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- The substrates must be sufficiently clean, dry, dimensionally stable and free from adhesion-impairing particles and substances.
  - Carefully remove loose or flaking mortar layers.
  - The substrate preparation works must be adapted to each job site.
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## Working instructions

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### Sealing of hollow spaces under ceramic tiles and under de-bonded screeds

- If no crack is visible, best practice is to tap the surface in order to find out the hollow parts.
- Drill or cut the joints at the cross sections where the tiles sound hollow.
- In case of de-bonded screeds drill the floor at the specific spots which sound hollow.
- Use a vacuum cleaner for dust removal.
- Pour **weber.sys 891** by gravity into the holes at intervals of 20 - 30 minutes with a spray bottle, a plastic funnel (injection bottle) or a perforated canister perforated in the bottom so long as the hollow sounds remain.
- Repeat the operation once or more with a maximum delay time between each pouring of 24 hours.
- Clean the eventual splashes on substrate with water after each use.
- After drying knock tests again.
- Close opened joints with a durable grout, like the highly resistant grout for all ceramic coverings with joint width 1 - 6 mm **weber.fug 875 BlueComfort** after 24 hours at the earliest.

### Filling of cracks on horizontal surfaces

- Fine hairline cracks are best treated by isolating the areas with dams formed from putty, mastic or similar materials.
- Use a nipple fixed with mortar in drilled hole to take plastic funnel (injection bottle) with tape on wall to retain the liquid.
- For more information request technical advice.

### Filling of cracks on vertical surfaces

- Form small cups or wells at short intervals along the length of cracks with putty, mastic or similar material.
- Vertical cracks will normally require a cup at the top of the crack, but for long lengths additional cups may be required.
- For sealing the remainder of the crack, self-adhesive tape is ideally suited on smooth, dry surfaces, but on roughcast or brickwork, tape will not be effective and a suitable mastic, sealant or potters clay is recommended.
- For more information request technical advice.

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## Practical information

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Colour:  
white

Tools:  
Spray bottle, plastic funnel, canister and auxiliaries like putty, mastic or similar material

Storage:  
The product can be stored at least 12 months in its original unopened packaging, if kept cool and frost free. Frost destroys the product. After thawing it is not allowed to use it.

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## Consumption / yield

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depends on filling space and frequency of operations

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## Packagings

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Type	Sales unit	Number / euro-pallet
Plastic can	5 liters	80 cans
Plastic can	1 liter	6 cans/cardboard

*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.*