



## weber REP 990

- CE marked in accordance with EN 1504-2 Surface protection for concrete
- Protection against penetration, Moisture control, Reduction of concrete's electrical conductivity
- Slurry for porefilling and surface protection
- Frost resistant
- Can be sprayed

### About this product

Elastic slurry, 2-component, Gray. Concrete protector is a light gray two component elastic cement/polymer based slurry. The product comes with a powder part, component A and a liquid part component B. Concrete protection is very elastic at temperatures down to -20°C and has very good crack bridging properties. Concrete protector is waterproof, but diffusion open and has very high resistance to CO<sub>2</sub> penetration.

### Area of use

Concrete protector are used on concrete and steel and are suitable as sealing and crack bridging layers. Used as cover on bridges, balconies and terraces to prevent CO<sub>2</sub> penetration and water/salts. Can also be used as a sealing layer on plaster or masonry indoors. Concrete protector is soft and therefore not suitable for floors. REP 995 Surface coating is suitable for floors with light traffic. Concrete cover can be used as a final surface, eg brushed, tattered, putty or sprayed structure. Structure is made in layer 2 or applied in a third layer of the desired structure. Painting on concrete protector can be done with color suitable for elastic plaster according to the respective paint manufacturer's instructions, eg Weber Concrete paint.

### Substrate type

- Concrete
- Mineral
- Brick
- Steel
- Stone

### Constraints

- Should not be used in temperatures below +5°C

### Pretreatment

The substrate must be cleaned before application. All surfaces must be free of oil, grease, rust, cement sludge, old loose-fitting treatments and loose particles. Suction substrates are diluted. Substrate should be slightly absorbent when the first layer of Concrete protector is applied. Larger scratches, pores and other minor damage are repaired and filled with Weber Betoheft or Concrete protector at least 1 day before Concrete protector is applied. Concrete cover is then used in a stiffer consistency.

### Product specification

Material consumption	Component A 20 kg + Component B 6,8l, gives about 16l of ready to use slurry. Finished layer is about 3-5 kg/m <sup>2</sup> based on Component A.
Recommended layer thickness	approx 2mm (max 3mm)
Application temperature	>5 °C
Pot life (Operating time)	About 60min at +20°
Frost resistance	Yes, according to SS137244
Watertightness	Very high. Better than high-grade concrete.
Volume weight wet	approx 1800 kg/m <sup>3</sup>
Storage conditions	The shelf life of Component A on plastic wrapped pallet is approximately 12 months from the date of packaging. Store in a dry place. The storage period for Component B is approximately 12 months. Store frost-free.
Package	20kg bag

### Mixing

Open the can with the liquid (Component B) and pour it into a mixing bucket. Carefully add the powder (Component A) while stirring. Use a slow-moving drill (300-600 rpm) with mixer whisk. Normal mixing time is 4-5 minutes. The slurry should then have a loose thixotropic texture. It must be homogeneous and completely lumped out. Component B is reduced by 15-20% when mixed to stiffer consistency for use in porous filling. The amount of Component A + B is adapted to each other. If the consistency needs to be adjusted, this is done with Component A or B or with a smaller amount of water.

### Work instructions

Concrete protector is applied in two layers with a brush, roller or with spraying equipment about 1mm at a time. The secondary layer is applied when the first layer has stiffened enough to withstand a new layer, usually after 3-6 hours. The deletion should not exceed 24 hours. Application should never be done as there is a danger of rain or frost within the next 24 hours after application. The slurry should never be used at temperatures below + 5°C or on surfaces exposed to strong sunshine. Tools used for mixing and application should be cleaned with water before the slurry has dried out. Any contamination must be removed immediately. Cured slurry has very good adhesion and is removed mechanically.

### Safety regulation

Always read the applicable safety data sheets, use personal protective equipment and follow the workplace safety regulations.

## Disclaimer

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

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