

WEBER INJECTION EPOXY



- Low viscosity
- Good permeability
- Good chemical resistance
- High compressive and flexural tensile strength

ABOUT THIS PRODUCT

A 2-component solvent-free injection epoxy for repairing individual cracks in concrete or other aggregate materials in structures. Suitable for use on both horizontal and vertical surfaces indoors and outdoors.

AREA OF USE

Injection of cracks in concrete structures; restoring the strength of a cracked structure to its original level. It can also be used to impregnate concrete surfaces for corrosion protection. Also suitable for injection of pressed tiles and injection of surface concrete castings that have detached from their base.

SUBSTRATE

The maximum moisture content of the structure to be injected is 3 % by weight. The air and substrate temperature must be at least +5 °C (and at most +30 °C) and 3 °C above the dew point. The relative humidity of the air must not exceed 80%.

MIXING

Before starting the work, the injection epoxy is weighed and only the amount needed for the injection work is mixed. The product is mixed carefully (mechanical mix-

PRODUCT SPECIFICATION

Mixing ratio A:B	100 : 46 weight ratio
Application temperature	min. +5 °C
Pot life (Operating time)	90 min (+20 °C)
Curing time before touch dry	24 h (+20 °C)
Curing time for full traffic load	Fully cured: 16 days (+10 °C), 7 days (+20 °C)
Compressive strength 28 days	approx. 100 N/mm ² (EN ISO 604)
Flexural strength 28 days	approx. 100 N/mm ² (EN ISO 527)
Tensile strength 28 days	approx. 60 N/mm ² (EN ISO 527)
Density	1.1 kg/l (+20 °C)
Viscosity	300 mPas (+20 °C)
Color	Yellowish liquid
Storage conditions	Shelf life approx. 12 months from date of manufacture (unopened packaging, dry and warm +5...+30 °C in a well ventilated place, protected from direct sunlight). Do not freeze.
Package	Packaging 1 kg (690 g base A + 310 g hardener B) in a tin can.
GTIN-codes	6415910046101 (1 kg)
Certifications	CE

ing, at least 3 min) until the mass is homogeneous. Use the product's own or another metal container for mixing. During the curing phase, the epoxy strongly develops heat reaction. If cured product remains in the container, the container should be moved to a ventilated area away from combustible or fusible materials and the lid should not be closed until the product has fully cured. When mixing smaller batches, the components are measured in parts by weight (see product description), the mixing ratio must not be changed. The product should be used under controlled conditions.

WORK INSTRUCTIONS

The product can be applied to horizontal surfaces using a dispensing can as an aid or by injecting the injection epoxy as a thin strip directly from the can into the crack. For wide cracks, i.e. cracks larger than 1.0 mm in a concrete floor, it is recommended to apply webertec Quartz Sand directly into the crack before injection work. Cracks in vertical structures are injected with webertec PU thickener with stiffened injection epoxy. The work is carried out e.g. with a webertec injection press through injection spigots. More detailed work instructions can be

found in the solution descriptions on the www.fi.weber pages and in brochure 8-15 "Weber's solutions for indoor air remediation".

PLEASE OBSERVE

When handling epoxy products, the Occupational Health Institute's guidelines and safety regulations relating to epoxy work must be taken into account. Correct and adequate protective equipment is important. After treatment, the tools are cleaned with e.g. webertec PU thinner, acetone or xylene. Cured injection epoxy can only be removed mechanically. If some unreacted product

remains in the metal container after use, it can be poured outside onto a gravel surface. The cured product can be disposed of using appropriate methods.

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.