

PRODUCT DESCRIPTION

Mapepoxy UV-S is a solvent free epoxy stopper for patching concrete structures under water.

Mapepoxy UV-S is based on liquid epoxyresin, cured with an accelerated polyaminoamide.

AREA OF USE

Used for sealing cracks, casting joints and minor wounds. Sealing of form-work, repair-work on quay pillars, dams, offshore structures, etc. The mass sticks well to vertical surfaces without form-work (1-2 cm thickness).

WORKING INSTRUCTIONS

Must not be used at underwater temperatures below +5°C. If possible, the temperature should be above +13°C. Complete setting will take several weeks even at +15°C and is never attained at lower temperatures. As a rule one day's setting is enough to prevent the mass being eroded. Workability time, i.e. the time it takes from mixing the mass until it is too thick for further use, is approx. 1 hour at +20°C. At lower temperatures workability time is extended. In need of adjusted setting time, please contact Rescon Mapei.

Preparation

The concrete must be clean and firm. Prepare wounds till only the solid concrete is left.

Mixing

The components should have a temperature of +15° to +25°C before mixing.

Equal parts by weight of resin and hardener should be mixed well for 3-4 minutes, until the mass is an even grey colour without any white (light-coloured) or black (dark-coloured) streaks or areas. Small batches may be mixed with a steel

filler knife, whereas slightly larger batches should be mixed with a slow drill with mixing head.

Application

A variety of application methods may be used:

- The stopper is rolled into balls, which are sent down to the diver. The diver then events out (kneads) the mass with his hands. An extra 3 mm of stopper should be applied, as the outermost layer will be subject to erosion.
- Spread the stopper in the required thickness (10 – 20 mm) on pieces of plastic foil. The diver receives these under water and presses them onto the area to be patched. Pressure should first be applied to the centre of the piece of foil, and then out to the sides, in order to avoid creating water-pockets. The diver must work with the foil patch until it sticks well over the entire surface to be treated. The plastic foil must be left in place.
- In the case of stopping cracks and joins, a great deal of time and material can be saved by using a pressure gun.

Cleaning

Tools and machines must be cleaned immediately after use with **Tinner**. Once set, the mass is difficult to remove.

SAFETY INSTRUCTIONS

For health, safety and environmental information, see separate HSE data sheet at www.resconmapei.com

WARNING

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

All deliveries from Rescon Mapei AS are made in accordance with the sale and delivery conditions applicable at the time, and these conditions are taken to be accepted on placement of an order.

N.B! FOR PROFESSIONALS

TECHNICAL DATA

Product specifications:

Dry solids content:	99.9 %
Density:	1.5 g/cm ³
Colour:	Light grey (white comp. A, black comp B)
Min. working temperature:	+5°C (in the water)
Pot life:	At +20°C: 1 hour At +10°C >1 hour At +15°C: 1-2 weeks
Curing time:	1:1
Mixing ratio:	Sets of 4.0 kg
Packaging:	Stored frost free and in unopened packaging, the product properties remain unchanged throughout the first 24 months.
Storage:	

Produsent:

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