

MOISTURE INSENSITIVE EPOXY PUTTY

Description

REPCON EP UWP is a solvent free epoxy resin based putty like material. It has the special property that it is a moisture insensitive repair material. It is applied directly to concrete for filling cracks, blow holes etc., which cures to a surface ready for subsequent coatings.

Uses

REPCON EP UWP is recommended for :

- Sealing of cracks both underwater and in dry conditions.
- Sealing of cracks for concrete, metal and wooden surfaces.
- Protection of concrete, steel, marine structures as protective coating at or below the water line.

Advantages

- Easy to apply and finish.
- Consistency can be adjusted by varying the filler content.
- Non-slump, can be applied to vertical surfaces and trowelled into blow holes.
- Reduces consumption of subsequent coatings.
- Chemical resistant.
- Good adhesion to concrete and steel surfaces.
- Cures without shrinkage.
- Available in a wide range of colours.

Technical Data

Colour of mixed product	Dark grey
Solid	100%
Pot life:	45 Minutes at 30°C for 100 g mass
Mixed density(27°C)	1.55kg/ltr
Compressive strength(ASTM C579)	50N/mm ² at 7 days
Bond strength(EN 1542)	>2.5 N/mm ²
Drying time	8 hrs at 27°C
Application temp	5°C to 40°C
Slant Shear on dry concrete after 3days curing at 30°C	>10 N/mm ²
Mixing ratio (Comp A: Comp B)	1:1(by weight)

Application Instruction

Surface Preparation:

Concrete surface

Clean, dry, should be free from laitance, sand blasting or mechanical wire brushing may be necessary.

Steel Surface

Sand blasting to SA 2 ½, clean and dry.

For mixing:

Pre-batched units:

Mix parts A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 600 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its potlife.

Application:

Due to the easy workability of the product, a variety of instruments such as trowel, scraper, filling knife can be used. After mixing, material can be taken directly from the can, or subdivided on to spot boards for individual applications.

Tool cleaning:

Clean the tools immediately after use before the material cures. Use Xylene for cleaning the tools. Cured material can only be removed mechanically.

Packaging

1 kg (A+B) Pre-Batched unit
Part A: 0.5 kg plastic container
Part B: 0.5 kg plastic container

4 kg (A+B) Pre-Batched unit
Part A: 2.00 kg plastic container
Part B: 2.00 kg plastic container

Limitation

Substrate Temperature +5°C min. / +40°C max.

Ambient Temperature +5°C min. / +40°C max.

Material Temperature REPCON EP UWP must be at a temperatures of between +10°C and +40°C for application.

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Technical Support

FCSC offers a technical support service to specifiers, end users and contractors, as well as on-site technical assistance in locations all over the country.

Safety Precautions

Health & Safety instructions

Avoid skin and eye contact and inhalation of vapours. Gloves, goggles and masks should be worn during application. If the product comes into contact with the skin, should be washed thoroughly with a suitable industrial cleaner with luke warm water and soap. In case of eye contact, should be washed with clean water and medical advice sought immediately.

Exposure of the materials to naked flame is not suggested. Smoking is prohibited during application / handling of the product.

Flash point : 40°C

Shelf Life

12 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunshine.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.