

EUCOCOL EP THIX

EPOXY-BASED, HIGHLY THIXOTROPIC COMPOUND

FIELD OF APPLICATION

REPAIR, FILLING, BONDING, SEALING, MODELLING ... CAN EVEN BE USED UNDER WATER.

EUCOCOL EP THIX is an epoxy-based, malleable compound with a simple mixing ratio that can even be used under water. The compound adheres to various surfaces such as wood, stone, concrete, metal, ...

After curing, EUCOCOL EP THIX can be worked (e.g. by sanding) and painted.

- General construction, road construction, plumbing, roofing, electricity and utilities, harbour companies, offshore, marine applications, diving companies, pool builders, tiling companies, wood renovation, ...

BENEFITS & FEATURES

- Can be used under water.
- High bonding strength
- Simple mixing ratio with colour control
- Hard
- Can be worked (e.g. sanding) and painted after curing.
- Limited layer thickness possible
- Liquid proof

APPLICATION

Application conditions

EUCOCOL EP THIX must be stored approximately 24 hours before application between +15°C and +30°C. This makes the product easier to process, knead and mould. Expansion joints are repeated in the synthetic resin system to be installed. Active cracks or joints must be deactivated before filling. Joints, old contraction joints and passive cracks or fissures can be covered. This on the condition that they are not used as expansion joints or if they do not follow other movements of the construction and the substrate. The recommended processing temperature for substrate, environment and material lies between 5°C and 35°C.

Tools & complementary products

- Bucket of water
- Gloves

Preparations

Mechanically remove all loose and non-rigid parts and parts in poor condition, then brush well and remove dust with an industrial vacuum cleaner. The surface must be free of dirt, grease, release agent, grease, old, demoulding oil, cement skin, old paint layers that do not adhere well, -, synthetic resin layers, adhesives, bitumen, ... or other matters that can adversely influence the adhesion.

Preparation of the product

Wear plastic gloves. Fill a bucket with water and wet the gloves. Take equal volume parts of the white (A-component:) and black (B-component). Knead both components until they have a homogeneous grey colour.

Keep the gloves wet during kneading.

(TIP: For better malleability, place both packages in warm water before mixing).

Application of the product

Press or hammer the mixed paste well. Extra pressure ensures better adhesion, even on a rough surface when it is not perfectly cleaned; The surface can be smoothed with wet gloves. Vertical and overhanging parts that are thicker than 5 cm must be built up in several layers.

Finishing

After curing, EUCOCOL EP THIX can be mechanically processed such as sanding and can then be painted over.

Cleaning of the tools

Clean the used tools with EUCOSOLV MEK. Cured product residue must be removed mechanically.

MAINTENANCE AFTER APPLICATION

If EUCOCOL EP THIX is coated with other synthetic resin products, please consult the technical data sheets of these systems.

TECHNICAL DATA

Consumption

1,5 kg/dm³

Technical data & reaction times

Property	Value
Basic raw materials	A-component: White thixotropic paste of epoxy resin and filler B-component: Black thixotropic amine hardener paste
Density	1.5 kg/dm ³
Pressure resistance	35 N/mm ² .
Tensile strength	15 N/mm ² .
Adhesion onto concrete	> 1.5 N/mm ² .
Adhesion to steel	> 3 N/mm ² .
Heat resistance	60°C
Layer thickness	1 to ca. 50 mm
Curing	Shrink-free.
Mixing ratio A : B	1 : 1 (weight and volume)
Colour	Mixing colour = grey

Pot life after mixing: Approx. 1 hour

Can be painted and worked after: 12 hours

Pedestrian traffic: After 24 hours.

Full mechanical resistance: After 4 days

Full chemical resistance: After 7 days.

Times measured at +20°C. Lower temperatures extend and higher temperatures shorten the curing time.

Curing can be accelerated by means of hot air (maximum 70°C).

Chemical resistances

Good chemical resistance against alkalis, petroleum derivatives, battery acid, diluted organic acids, salts and solutions. For more information, please contact EUCOCHEM BV.

Additional documentation & referrals

Always consult all technical data sheets and material safety data sheets of the products to be used. Always work with clean tools in good condition.

APPEARANCE - COMPOSITION - PACKAGING

EUCOCOL EP THIX is available as follows:

5 kg set

Comp A: 2,5 kg

Comp B: 2.5 kg

Storage takes place in a dry room between +5°C and +30°C in its unopened, original packaging; shelf life of 24 months after production date, if stored under the above mentioned conditions.

ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCCHEM BV representative.

SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at [op www.eucochem.com](http://www.eucochem.com). When in doubt, contact our technical service.

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