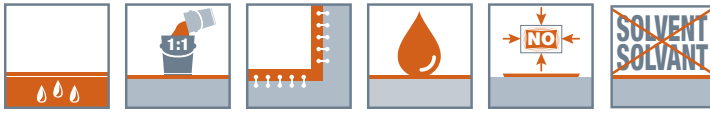


# EPICOL T

## EPOXY PUTTY WHICH CAN BE APPLIED UNDERWATER



### DESCRIPTION

EPICOL T is an epoxy-based putty with a simple mixing ratio suitable for filling, moulding and repairing.

### BENEFITS

- Can be applied underwater
- High adhesive power
- Simple mixing ratio 1 : 1 with colour control
- Solvent-free
- No long-term adverse aquatic life effects
- Applicable horizontally and vertically
- Can be worked after curing
- Limited layer thickness

### FIELD OF APPLICATION

EPICOL T can be applied underwater and sticks to wood, stone, concrete and metal.

### APPLICATION

**Note:** The following is a typical application description. In case of other jobsite parameters, please contact our technical department.

#### PRELIMINARY ANALYSES

Before starting the substrate preparation and applying the products, it is important to test various parameters in order to achieve a good and sustainable result.

Compressive strength of the substrate: min. 25 N/mm<sup>2</sup>

Tensile strength of the substrate: min. 1.5 N/mm<sup>2</sup>

#### REQUIRED TOOLS

Plastic disposable gloves

#### PREPARATION OF THE SUBSTRATE

Make sure the surface is clean. The recommended processing temperature for the surface, the surroundings and the material is 10 °C to 50 °C. EPICOL T is applicable on both dry damp, wet substrates and adheres to the substrate even under water.

#### PREPARATION OF THE PRODUCT

Wear plastic gloves. Fill a bucket with water and wet the gloves. Take equal quantities of white (A component) and black (B component). Knead both components together until they become a homogeneous grey colour. Keep the gloves wet while kneading. For better malleability: place both packets in warm water before mixing.

### PREPARATION OF THE EQUIPMENT

Always work with clean mixing containers and application material.

### APPLICATION

Press or hammer the mixed paste well. Extra pressure ensures better adhesion, even on a rough surface when it is not perfectly clean. The surface can be smoothed with wet gloves. Vertical and overhanging parts >5 cm are applied in several layers. After it has cured, EPICOL T can be painted or mechanically worked.

### COMPLIMENTARY PRODUCTS

Cleaning solvent for tools: SOLVENT MEK

### TECHNICAL DATA

#### APPEARANCE - COMPOSITION

|             |   |
|-------------|---|
| A-component | White thixotropic paste of epoxy resin and filler |
| B-component | Black amine hardener paste                        |
| Colour      | Grey mixing colour                                |

#### REACTION TIMES

EPICOL T is cured after 12 hours.

EPICOL T is fully mechanically loadable after 4 days and chemically loadable and completely cured after 7 days. The curing process can be speeded up with warm air (maximum 70 °C).

Times measured at 20 °C, lower temperatures extend the curing time.

#### CONSUMPTION

Is estimated by the engineer or user.

Is dependent on the amount of filling, the crack width and depth.

#### TECHNICAL DATA

|                              |                        |
|------------------------------|------------------------|
| Specific mass                | 1.5 kg/dm <sup>3</sup> |
| Pressure resistance          | 35 N/mm <sup>2</sup>   |
| Tensile strength             | 15 N/mm <sup>2</sup>   |
| Adhesion to concrete         | >1.5 N/mm <sup>2</sup> |
| Adhesion to steel            | >3 N/mm <sup>2</sup>   |
| Heat resistance              | 60 °C                  |
| Layer thickness              | 1 to 50 mm             |
| Min. application temperature | +10 °C                 |
| Min. hardening temperature   | +5 °C                  |
| Processing time              | +/- 1 hour at 20 °C    |
| Hardening                    | Shrink-free            |

## CHEMICAL RESISTANCES

Good chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions. For more information please contact RESIPLAST NV.

## REFERENCE DOCUMENTS



## PACKAGING

| EPICOL T | COMPONENT A | COMPONENT B |
|----------|-------------|-------------|
| Set 5 kg | 2.5 kg      | 2.5 kg      |

## STORAGE AND SHELF LIFE

Store EPICOL T in a dry, well ventilated storage area between 5 and 35 °C.

Shelf life: 24 months

If in doubt, contact RESIPLAST NV and provide the batch number on the package. Do not let the product get in contact with ground water, surface water or sewage systems. Dispose of contaminated packaging and remnants according to legal regulations.

## SAFETY PRECAUTIONS

Carefully read the safety instructions before using EPICOL T. Products have a characteristic odour when being applied. Ensure there is sufficient ventilation, stay away from ignition sources and do not smoke. Avoid contact with skin. Eye irritation and/or sensitivity may occur during heavy vapour concentrations, inhalation and/or skin contact. Do not keep food products (food, beverages) in the same workspace. Always wear personal protective equipment according to local guidelines and regulations. Gloves and safety goggles are mandatory.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that KorAC NV is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. All values on this technical sheet are average values that result from tests carried out under laboratory conditions (20 °C and 50% RH). Values that are measured on the construction site may show a slight deviation since the environmental conditions, the application, and the way of processing our products are beyond our control. Do not add any products other than those indicated on the technical documentation. This version replaces all previous versions. Version 2.0 Date: 5 September 2023 3:30 pm