



# RESITAR 30 A

## TRI-COMPONENT CASTABLE EPOXY-HYDROCARBON MORTAR FOR FILLING AND GROUTING



Black, tri-component, castable, solvent-free mortar, with shrinkage reducing admixtures, epoxy and polyamide-resin based. Mixed with selected hydrocarbon resins, mineral fillers with optimised particle size scale and several additives.

CE marked product according to UNI EN 13813 'Screed material'.

### Areas of use

- Filling of log bolt slots of road expansion joints;
- Filling casting below support plates of bridges, pillars, supports and beds;
- Filling of voids created on motorways between expansion joints and asphalt;
- Restoration of blanket (to repair holes, cracks);
- Creation of even planes to place machinery, sheaths, joints, tracks, etc.;
- Creation of bases for machinery;

### Features

- High mechanical compression strength and shock resistance;
- Excellent weather resistance and waterproofing;
- High adhesion to dry and damp concrete;
- Excellent resistance to alkali, saline solutions (especially de-icing salts), sewage, oils, fats and low-concentration acid solutions;
- To be used with support temperature from +5 °C to +30 °C;

### How to use

#### Preparation of the foundation

The surface to be treated must be clean, whole, dry and mortar grout and crumbly part-free: ideal adhesion is achieved by roughening it with sandblasting treatment followed by thorough suction. Concrete must be fully cured (28 days).

#### Preparation of the product

Pour component B into component A and blend at slow speed for 3÷5 minutes using a drill fitted with a helix/spiral; during this operation, scrape also the bottom and the sides of the bucket, then slowly add component C (inert) and blend until an even and lump-free mixture is achieved.

#### Application

Cast RESITAR 30 mortar in the volume to be filled.

#### Notes

*Packages are weight pre-measured out: fully use all three components A, B and C.*

*If you want to divide the package, the products must be weighed according to the A+B+C ratio on the label and must not be weighed by volume.*

## Technical characteristics

<b>Compression strength (after 1 day)</b>	> 15 N/mm <sup>2</sup>
<b>Compression strength (after 7 days)</b>	> 30 N/mm <sup>2</sup>
<b>Shore A hardness (only A+B) (*)</b>	92
<b>Shore D hardness (only A+B) (*)</b>	48
<b>Adhesion to dry concrete</b>	Cohesive break of the substrate
<b>Adhesion to wet concrete</b>	3 N/mm <sup>2</sup>
<b>Density</b>	1,50 kg/dm <sup>3</sup>
<b>A + B + C mixture ratio</b>	0,7 + 1,4 + 2,4

(\*) Hardness values are supplied only for the binding part, A + B component, because the inert does not allow even data: full mixture A + B + C has hardness values higher than those shown in the table.

## Use and hardening time

Pouring component B into component A starts the curing reaction: after mixing, the time available is limited and depends on the temperature.

Temperature	Pot-life	Hardening
10°C	60-70 min	8 hours
20°C	35-45 min	5½ hours
30°C	20-35 min	3½ hours

Minimum hardening temperature: +8°C. Complete hardening: at least 7 days following application at 23±2 °C.

## Consumption

About 1,5 kilograms of product are needed to fill a volume of one dm<sup>3</sup>.

## Packaging and storage

Available in 4,5 kg packages (A + B + C components).

RESITAR 30 A remains unaltered for a year if stored in a dry and sheltered place at a temperature between +10°C and +30°C in its original sealed containers.

Keep away from frost, heat sources and direct sunlight.

## Cleaning of tools and health precautions

Always consult the safety data sheets before handling the product.

To clean tools use solvents such as RESISOLV 111.

Epoxy resins and curing agents can cause irritation: avoid contact with the skin and especially the eyes and ensure proper ventilation during use.

Wear gloves, protective overalls, goggles or face shield. People who have to work with epoxy resins for long periods of time are advised to use protective creams.

In the event of contact with the skin, wipe off immediately with a cloth soaked in denatured alcohol and wash off with water or mild soap or hand washing paste. Then use a nourishing cream.

In case of contact with the eyes or mucous membranes, do not use alcohol. Rinse immediately with running water and mild soap for 10 to 15 minutes, then consult a doctor.

**Do not rinse with solvents.**

*The information supplied in this sheet is the result of the best practical and laboratory experiences of RESIMIX, which guarantees its products when used according to the instructions supplied. It is nonetheless up to the customer to ensure the product is suitable for the intended use. The manufacturer declines any responsibility for incorrect use or uses beyond his control. RESIMIX reserves the right to make changes to the data. For any request, please contact the RESIMIX Technical Assistance Office.*