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RESITAR 30 M

TRI-COMPONENT THIXOTROPIC EPOXY-BITUMEN MORTAR FOR MENDING AND RESTORATIONS

Black tri-component thixotropic solvent-free mortar with shrinkage reducing admixtures, epoxy and polyamide-resin based. Mixed with selected bitumen, mineral fillers with particle size distribution and several additives.

Areas of use

- Filling of voids created on motorways between expansion joints and asphalt;
- Restoration of blanket (to repair holes, cracks);
- Filling of prefab element joints;
- Creation of even planes to place machinery, sheaths, joints, tracks, etc.;
- Creation of bases for machinery;
- Filling with a certain thickness for the creation of new slopes.

Features

- High mechanical compression strength and shock resistance;
- Excellent weather resistance and good waterproofing;
- High adhesion to dry and damp concrete (with prior application of specific primer);
- Excellent resistance to alkali, saline solutions (especially de-icing salts), sewage, oils, fats and low-concentration acid solutions;
- Good workability using standard working tools;
- To be used with support temperature from +5 °C and +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.

On dry concrete use RESICOL 115 epoxy primer. Use also on reinforcement rods if they are exposed.

On damp concrete, asphalt and bitumen, use RESICOL 116 epoxy primer.

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' using drill with 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

Apply the mortar on the primer, layer upon layer, within the times of use (see table) with trowel, palette knife or suitable tool based on the type of work to be carried out.

RESITAR 30 M can be applied with high or low thicknesses with no hardening or shrinkage problems.

Notes

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

If you wish to divide the package, products must be weighed by respecting the A+B+C ratio on the label and must not be weighed out based on the volume.

Technical characteristics

Compression strength (after 1 day)	65 N/mm ²
Compression strength (after 7 days)	85 N/mm ²
Shore A hardness (only A+B) (*)	92
Shore D hardness (only A+B) (*)	48
Adhesion to dry concrete	Cohesive break of the substrate
Adhesion to wet concrete	3 N/mm ²
Density	2,01 kg/dm ³
A + B + C mixture ratio	100 + 200 + 1470

(*) 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 times

When mixing, the reaction between the two components starts: the time available is limited and it depends on temperature.

temperature	pot life	hardening
10°C	80'	8 h
20°C	40' – 50'	6 h
30°C	25' – 30'	4 h

Complete hardening is achieved after 7 days.

Consumption

Primer RESICOL 115 or RESICOL 116: 0,4 - 0,6 kg/m²

RESITAR 30 M mortar : To fill a volume of 1 dm³ 2 kgs of product are necessary.

Packaging and storage

Available in 22,50 kg packages (A + B + C components).

RESITAR 30 M 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.

Cleaning of tools and health precautions

To clean tools use solvents such as RESISOLV 111, RESISOLV 196 or alcohol.

Epoxy resins and hardening agents may cause irritations: please avoid any contact with the skin and especially with the eyes and ensure proper ventilation during use.

Wear gloves, protective suit, goggles or protective visor. People who have to work with epoxy resins for long periods are advised to use protective creams.

In case of contact with the skin, immediately clean with a cloth soaked in denatured alcohol and wash with water or neutral soap or handwash paste. Then use a nourishing cream.

In case of contact with eyes or mucosa, do not use alcohol. Rinse immediately with running water and neutral soap for 10/15 minutes, then seek medical advice.

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.