



Product Overview

This is a two-component, thixotropic, solvent-free epoxy resin mortar, comprising a hardener and specialized fillers, designed for the installation of repair anchors and expansion joints.



Application Domains

- For the adhesion of TPE-based tapes in expansion joint insulation,
- In securing metal structural materials to concrete structural elements,
- For the repair of defects and significant cracks in reinforced concrete structures,
- It is utilized for the installation of rebar in concrete and stone structures.



Technical Specifications

Colour	Gray
Mixture Density	1,70 kg/lt
Blending Proportion	By weight: 3A/1B mPas
Adhesion to Steel	$\geq 3,5 \text{ N/mm}^2$
Adhesion to Concrete (Separation from Concrete)	$\geq 3,0 \text{ N/mm}^2$
Compressive Strength	$\geq 75 \text{ N/mm}^2$
Container Living	~30 minutes (20 °C)
Sanitation Duration	~60 minutes (20 °C)

The information presented in this technical data sheet is derived from experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.



Advantages

- Appropriate for horizontal, vertical, and overhead applications.
- It is straightforward to implement.
- It possesses exceptionally high adhesive strength.
- It exhibits resistance to chemicals.
- It is a robust coating that withstands wear and tear from friction, chemical exposure, and mechanical impacts.
- It is impervious to water.
- It rapidly restores its mechanical strength.
- It exhibits exceptional wear resistance.



Surface Preparation

The reinforced concrete surfaces designated for coating must have undergone a curing period of four weeks and possess a minimum tensile strength of 1.5 N/mm^2 , along with a minimum compressive strength of 25 N/mm^2 . The surfaces to be coated must be devoid of water, dust, and loose particles. Contaminants such as oil and dirt must be eliminated. Metal and steel surfaces should be prepared through sandblasting, ensuring that no oil or rust remains.



Mixture

The two-component packaging is calibrated according to the specified mixing ratio (Component A: resin, Component B: hardener). The ready-to-use material is achieved by thoroughly mechanically mixing these two components. The entire quantity of component B is added to component A simultaneously, and mixing should be conducted with a low-speed mixer (300-400 rpm) using an appropriate attachment until the mixture attains homogeneity. To guarantee uniform distribution of the hardener, mixing should occur near the edges of the container and from the bottom throughout the packaging. It is solvent-free and should not be diluted with thinner.



Application Details

It is applied using a spatula or trowel. The recommended application thickness ranges from 2 mm to 30 mm. To achieve a smooth surface, the epoxy mortar is leveled with a trowel. Avoid application on wet surfaces.

- The material must be safeguarded against water, rain, external influences, and mechanical stress until it has fully cured.
- It is important to acknowledge that waiting times may be reduced during warm weather and extended in cold weather.



Consumption

For a thickness of 1 mm, the average consumption is 1.70 kg/m². For bonding on horizontal surfaces, it is 1.00 kg/m².



PACKAGING

5 kg (A: 3.75 + B: 1.25) arranged in tin buckets.



Shelf life

It must be safeguarded against unfavorable weather conditions. It should be kept in a dry, cool, and sealed environment (between +10 °C and +25 °C). Once opened and mixed, the product should be consumed promptly. In its unopened packaging, it has a shelf life of 12 months when stored in a dry location at a minimum temperature of +5 °C.



Attention

- In applications conducted in enclosed spaces, the environment must be adequately ventilated.
- In cold weather, packaging should be maintained at a minimum temperature of +15°C for no less than 24 hours before application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and comparable weather conditions until it is entirely dry.
- Avoid using open flames and refrain from smoking during application.
- Don appropriate gloves, goggles, and protective attire.
- In the event of skin contact, cleanse thoroughly with soap and ample water.
- Do not ingest, do not utilize empty packaging for food storage, and do not dispose of in fire.
- For professional use exclusively. Keep out of children's reach.

