

Product Overview

It is a three-component, epoxy-based, self-compacting fluid grout mortar that incorporates specially graded quartz aggregate.

Application Domains

- In the assembly of heavy machinery,
- In machine foundations that will endure significant dynamic loads,
- For robust repairs to the beams and legs of tower cranes,
- At bridge abutments,
- In the maintenance of aircraft and helicopter runways,
- In securing steel columns to the foundation,
- In engineering projects including subways, highways, tunnels, and dams,
- It is utilized in restoration projects to mend substantial fissures present in structures and flooring.

Technical Specifications

Colour	Gray
Mixture Density	2,10 kg/lt
Blending Proportion	Weight: 3.2 A/1.8 B/20 C mPas
Adhesion to Steel	$\geq 3,0 \text{ N/mm}^2$
Adhesion to Concrete (Separation from Concrete)	$\geq 4,0 \text{ N/mm}^2$
Compressive Strength	$\geq 75 \text{ N/mm}^2$
Bending Strength	$\geq 30 \text{ N/mm}^2$
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

- It does not diminish.
- It is articulate.
- It is impervious to freezing and thawing, and is water-resistant.
- Lining is not necessary.
- It exhibits chemical resistance.
- It adheres seamlessly to concrete and steel.

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 three-component package is formulated according to the specified mixing ratio (Component A: resin, Component B: hardener, Component C: specially graded quartz aggregates). The ready-to-use material is produced by thoroughly mechanically mixing these three components. All of component B is added to component A simultaneously, and mixing should occur at a low speed (300-400 rpm) using an appropriate attachment until a homogeneous consistency is achieved. To ensure uniform distribution of the hardener, mixing should be conducted near the edges of the container and from the bottom of the package. Once the mixture is prepared, component C is gradually incorporated, and mixing continues for three minutes until a smooth, homogeneous consistency is reached. It is solvent-free and should not be diluted with thinner.



Application Details

Depending on weather conditions, the mixture should be applied to the designated area within five minutes. In enclosed spaces, the mortar should be poured from above to facilitate the escape of air from below. It may also be applied using a spatula or trowel. 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

Average of 2.10 kg/m² for a thickness of 1 mm.



PACKAGING

25 kg (A: 3.2 + B: 1.8 + C: 20) 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.