



SYN.0038

EPOMALTA LC

Epoxy mortar for the reconstruction of wooden structures

Customs Code

3907 3000

Packaging

- Can 18 kg [A]
- Can 1 kg [A]
- Can 9 kg [B]
- Can 0.5 kg [B]
- Bag 25 kg [C]
- Pail 7.5 kg [C]
- Kit: 1 Can 18 kg [A] + 1 Can 9 kg [B] + 5 Bags 25 kg [C]
- Kit: 1 Can 1 kg [A] + 1 Can 0.5 kg [B] + 1 Pail 7.5 kg [C]

Application

- Pour out
- Brick trowel
- Spatula

Family
Syntech

Product Lines
• Opus

Components
Three-components

Type
Epoxy or polyester based adhesives and mortars

Functional Categories
• Reconstruction, repair and maintenance of wooden structures
• Block repair of concrete works with free-flowing mortars
• Construction and maintenance interventions on airport runways and quays

Appearance
Liquid + Liquid + Powder

General description

This pourable epoxy mortar, composed of a two-component (A+B) epoxy adhesive to be integrated with a mixture of selected mineral aggregates with a maximum diameter of 4 mm is perfect for anchoring, restoration of industrial flooring, localised regeneration of wooden beam heads, construction repairs and reconstructions generally, to be carried out by pouring on-site, after the construction of a special containment formwork suitably waterproofed with concrete release agent.

Dosage


Approximately 1.55 kg of EPOMALTA LC is required for each cubic decimetre of volume to be reconstructed (about 1550 kg per cubic metre).

Fields of application


Anchoring with precision alignment of industrial machinery. Anchoring of metal elements. Localised restoration of industrial flooring subject to high static and dynamic loads. Reconstruction of joints in industrial flooring. Levelling of screeds and flooring. Localised regeneration of wooden beam heads. Reconstruction of construction artefacts in general.


Basic features

 Density:
1.08 kg/dm³


 Pot-life:
25 min

 Shelf-life:
12 months

 Temperature of use:
+5 / +30 °C

 Use wearing protective gloves

 UV-resistant

 Available colours
Brown

Technical specifications

Adhesion to substrate at 28 days (ASTM D 4541 - 20°C): ≥ 3 N/mm²

Complete hardening (a 20°C): 7 day

Compressive strength after 28 days (ASTM D695 - 20°C): 100 N/mm²

Dry residue (10' a 150°C): 98 (±1) %

Gel time (UN 8701-8 a 20°C): 25 (± 3.5%) min

Hard to touch (a 20°C): 6-8 h

Hardness (DIN 53505 - Shore D5): 80 _

Ratio of catalysis (in peso): A : B = 100 : 50 %

Viscosity (UNI 8701/3): 240 (± 5%) mPas

Working temperature: -20/+60 °C

IF YOU WANT TO SOLVE IT


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Tools cleansing

- Thinner for resins

Applicable on

- Concrete
- Wood
- Floor screed

Substrate preparation

The surfaces on which it is to be applied are to be clean, dry, free from dust, dirt, and the like, as well as being adequately consistent. Be sure to remove any deteriorated parts of the surface.

Instructions for use

Combine component B with component A, being sure to add all of the material contained in the packages then thoroughly mixing with a low-speed mixer until a perfectly homogeneous mixture is obtained. Add the required amount of "charger" (component C), continuing to mix until reaching the original homogeneity of the adhesive system.

As regards the anchoring of machinery, before positioning the machine, remove any deteriorated concrete and loose parts from the foundation surface, including any parts saturated with oil or grease. Check that air vent holes have been made on the base plate of the machine. During the first 10 hours following installation, ensure the substrate is not subject to vibrations from other machinery.

Regarding the reconstruction of the wooden beam heads, apply in the manner dictated by the type of operation, subject to:

- beam shoring
- insertion of reinforcing bars
- the construction of suitable formwork
- applying (pouring) cement.

Do not apply to wet and/or powdery media. Use the product immediately after mixing.

Storage and preservation

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Store the product at a temperature between +5°C and +35°C.



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Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

EPOMALTA LC is produced/distributed by



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