



Family  
**Syntech**

Product Lines  
• **Opus**

Type  
**Epoxy-based liquid mortars, resins and stucco**

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**

Components  
**Three-components**

Appearance  
**Liquid + Liquid + Powder**

SYN.0038

## EPOMALTA LC

Epoxy mortar for the reconstruction of wooden structures

### Customs Code

3907 3000

### Packaging

- Can 1 kg [A]
- Can 0.5 kg [B]
- Pail 7.5 kg [C]
- Kit: 1 Can 1 kg [A] + 1 Can 0.5 kg [B] + 1 Pail 7.5 kg [C]

### Application

- Brick trowel
- Pour out
- Spatula

## Certifications and legislations



**EN 1504-3**

Products and systems for the protection and repair of concrete structures - Structural and non-structural repair (R4)

## General description

A castable epoxy mortar, comprised of a two-component epoxy adhesive (A + B) to be integrated with a mixture of select mineral aggregates with a maximum diameter of 4 mm. It is used for anchoring, restoring industrial flooring, the localised regeneration of wooden beam heads, repairs and building reconstructions in general, to be completed by pouring on-site, after creating dedicated containment formwork suitably waterproofed with a 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/dm<sup>3</sup>

 Maximum diameter of aggregate:  
2.5 mm

 Pot-life:  
60 min

 Shelf-life:  
12 months

 Solvent-free

 Temperature of use:  
+5 / +35 °C

 Use wearing protective gloves

 UV-resistant

 Available colours  
Light gray

## Technical specifications

*Resistenza allo scorrimento (UNI EN 1544): 0.32 mm*

*Bonding force (UNI EN 1542): 3.5 N/mm<sup>2</sup>*

*Capillary absorption (UNI EN 13057): 0.01 kg/(m<sup>2</sup> • h<sup>0.5</sup>)*

*Chloride content (UNI EN 1015-17): 0.01 %*

*Compressive strength after 28 days (UNI EN 12190): 80 N/mm<sup>2</sup>*

*Hard to touch (a 20°C): 2 - 4 h*

IF YOU WANT TO SOLVE IT  


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Resistance to the extraction of the steel bars with improved  
adhesion (UNI EN 1881): 0.32 mm

Skid resistance (UNI EN 13036-4): CLASS I \_

Static elastic modulus (UNI EN 13412): 21000 N/mm<sup>2</sup>

## Tools cleansing

- Thinner for resins

## Applicable on

- Concrete
- Wood
- Floor screed
- Steel
- Calcestruzzo armato

## 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.



## 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](http://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](http://www.azichem.com).

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