

Epomalta LC

Epoxy mortar for the reconstruction of wooden structures



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.

CUSTOMS CODE: 3907 3000

COMPONENTS: Three-components

APPEARANCE: Liquid + Liquid + Powder

AVAILABLE COLORS: Light gray

PACKAGING AND DIMENSIONS: 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]

OBTAINED CERTIFICATIONS AND REGULATIONS



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.

ALLOWED SUPPORTS

Concrete - Wood - Floor screed - Steel - Calcestruzzo armato

PREPARATION OF SUPPORTS

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.

MODE OF 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.

APPLICATION METHODS

Brick trowel - Pour out - Spatula

TOOL CLEANING

Thinner for resins

KEY FEATURES



Density: 1.08 kg/dm³



Pot-life: 60 min



Solvent-free



Use wearing protective gloves



Maximum diameter of aggregate: 2.5 mm



Shelf-life: 12 months



Temperature of use: +5 / +35 °C



UV-resistant

TECHNICAL SPECIFICATIONS

UNI EN 1544

0.32 mm

UNI EN 1542

Bonding force **3.5 N/mm²**

UNI EN 13036-4

Skid resistance **CLASS I**

UNI EN 12190

Compressive strength after 28 days **80 N/mm²**

a 20°C

Touch hardening at 20°C **2 - 4 h**

UNI EN 13412

Static elastic modulus **21000 N/mm²**

UNI EN 13057

Capillary absorption **0.01**

UNI EN 1015-17

Chloride content **0.01 %**

CONSUMPTION

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

STORAGE AND CONSERVATION

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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PHOTO GALLERY



ADDITIONAL CONTENT



WARNINGS AND PRECAUTIONS

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.

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