

# EPOXY PRIMER

## Two-component epoxy resin

### PRODUCT DESCRIPTION

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- Two-component, versatile, solvent-free epoxy resin: a resin (component A) and a hardener (component B) to be mixed at the time of use.
- Primer for medium porous surfaces.
- Limits the appearance of spectra due to differences in support porosity.
- Excellent grip.
- Ease of application.
- Use with quarter sand.
- Products reserved for professional use.

### AREAS OF APPLICATION

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- Interior/Exterior.
- Floors.

### SUPPORT

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- Closed Supports (Tiles with specific preparation, diamond sanding, etc.).
- Porous Supports: Hydraulic screeds, anhydrite or cement fluid screed, concrete slabs. ( humidity level <3%)
- Caution, do not exceed 200g/m<sup>2</sup> for heated floors.

### NECESSARY TOOLS

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- Mixer, roller and/or metal trowel, nitrile gloves, safety glasses.
- Cleaning tools: Diluent C (cellulose) immediately after use.
- Measuring devices: ambient and substrate humidity, ambient and substrate temperature, dew point.

### PREPARATION OF THE SUPPORT

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- The supports must be clean, sound, dry and have undergone mechanical preparation by shot blasting or sanding in order to obtain a rough surface condition and free of all non-adherent or poorly adherent parts.
- The supports must be free from traces of oil, laitance, grease and any substances likely to impair adhesion.

- Careful vacuuming should be carried out after preparing the surface.
- Concrete slabs must be at least 28 days old.

## CONDITIONS OF APPLICATION

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- Support temperature: +10°C minimum to +30°C maximum.
- Ambient temperature: +10°C minimum to +30°C maximum.
- Humidity of the support: There must be no rising damp according to the ASTM D 4263 standard (polyane test).
- Relative humidity: it must be less than 80%.
- Dew point: Particular attention should be paid to condensation. The surface must be at a temperature of +3°C above the dew point to reduce the risk of condensation.

## PREPARATION OF THE MIXTURE

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- Mechanically re-homogenize components A and B.
- Gently pour the hardener, component B into the resin, component A then mix with a mechanical stirrer at slow speed (300 rpm) for 3 minutes.
- The product is ready to apply after mixing.

### Shelf life of the mixture:

Temperature	+10°C	+20°C	+ 30°C
Duration of use	About 50 min	About 25 min	About 15 min

It is recommended that two people apply the mixture. Otherwise, and depending on the size of the surface, divide component A and component B into several doses in order to mix as the work progresses.

- Mixing ratio by weight: **Formula E** Component A: 79 / Component B: 21.
- Mixing ratio by weight: **Formula F** Component A: 85 / Component B: 15.

## IMPLEMENTATION

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- Simple Primary Application:
  - Apply the primer evenly with a roller or metal trowel.
  - Immediately after application and gradually, sprinkle the Quartz Sand evenly and "to the point of refusal".

- Check that there are no partially or unsanded areas. In this case, reapply a little resin to the smooth areas and sprinkle with more Quartz Sand.

- The next day, sweep away the excess sand then vacuum to refine, checking that there is no more Quartz Sand not adhering to the epoxy resin.

- **Primary Application + Frame :**

In case of cracked or damaged support, it is possible to reinforce it by adding a fiberglass fabric ( Tramex 4 \* 4mm).

In this case :

- Cut and install the strips of mesh on the floor, then apply the resin evenly with a spatula, ensuring that the mesh remains flat on the surface.

- Sprinkle the Quartz Sand evenly and regularly and "to the point of refusal".

- Check that there are no partially or unsanded areas. In this case, reapply a little resin to the smooth areas and sprinkle with more Quartz Sand.

- The next day, sweep away the excess sand then vacuum to refine, checking that there is no more Quartz Sand not adhering to the epoxy resin.

## **FINAL DRYING & COATING**

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### **Recovery period:**

Temperature	+10°C	+20°C	+ 30°C
Mini	24h	12 p.m.	8 a.m.
Maxi	4 days	2 days	24h

- These data are only indicative because the curing times vary depending on the drying conditions (temperatures and relative humidity in particular).

- Take care not to dirty the film created by walking around before applying the 'polished concrete' (place boards or rigid protective panels); the adhesion could be affected.

## **YIELD & PACKAGING & STORAGE**

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Yield :

Two-component resin: from 0.200 kg to 0.700 kg per m<sup>2</sup> per layer depending on the porosity of the support.

Quartz sand: 2kg per m<sup>2</sup>.

Yield depending on the porosity of the support for the 1kg kit = 1.4 to 2.8 m<sup>2</sup>, for the 5kg kit = 7m<sup>2</sup> to 14m<sup>2</sup> and for the 25kg kit = 35 to 70m<sup>2</sup>.

Please note that if the system is used with a glass frame, consumption may be doubled.

- Packaging:

- Two-Component Resin: 1kg Kit, 5kg Kit or 25kg Kit .
- Quartz sand: 25kg bag .

- Storage: The products can be stored for 24 months in their original, unopened packaging, away from frost and high heat.

## RELATED PRODUCTS MERCADIERS

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Colored Concrete Coating (EBC), SC+.  
Tramex 4\*4mm.

## RECOMMENDATIONS AND WARNINGS

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- Consult the most recent version of this technical sheet (see website). Our Distance Selling service and our resellers are at your disposal for any additional information.

- The guarantees of good performance and longevity can only be acquired in the event of use of the complete system of the Mercadier range (primer, 'concrete' and finish) and strict compliance with the instructions for use of this system as well as the maintenance recommendations. We cannot therefore be held responsible in any way in the event of an application not in accordance with our information and not using our entire system.

- Information, tips and advice relating to the end use of Mercadier products are provided in good faith. They are based on the knowledge and experience that Mercadier has acquired to date with its products when properly stored, handled and applied under normal conditions. In practice, differences between materials, substrates and specific site conditions are such that this information or any written recommendations or advice given do not imply any warranty of merchantability other than the legal warranty against hidden defects.

The colors and appearances shown on our color charts are indicative and cannot be considered contractual. The same applies to the panels presented in store. Where possible, it is preferable to use identical batches. These products have a nuanced final appearance that can also vary depending on application conditions (applicator's gesture, temperature, etc.).

## HEALTH AND SAFETY

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Classification (REGULATION (EC) No 1272/2008) and its adaptations.  
Refer to the latest version of the Safety Data Sheet.

VOC Classification (Directive 2004/42/EC): Limit value of this product (Cat A/i): 500g/L (2010). This product, EPOXY PRIMER (COMPONENT A+B), ready to use, contains a maximum of 500 g/L VOC\* (\*) Volatile Organic Compounds

## SAFETY / PRECAUTIONS

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Refer to the product Safety Data Sheet.



In accordance with the new French regulations that impose limit values for the VOC (Volatile Organic Compound) content of construction products, this Mercadier product is environmentally friendly. This regulation requires construction and decoration products to have a label indicating their volatile pollutant (VOC) emission level in a simple and legible manner.

\*Information on the level of emission of volatile substances in indoor air, presenting a risk of toxicity by inhalation, on a class scale ranging from A+ (very low emissions) to C (high emissions).

The information contained in this sheet is the expression of our knowledge and test results; it cannot under any circumstances be considered as providing a guarantee or engaging our liability in the event of defective application.