



Product code : C0234A, B

EMFIPRIM EPOXY

DESCRIPTION

EMFIPRIM EPOXY is a two-component epoxy resin-based product with a strong penetrating power.

Its A+ classification according to French decree n° 2011-321 guarantees a very low emission of VOC (volatile organic compounds).



AREAS OF APPLICATIONS

EMFIPRIM EPOXY is intended for the preparation of substrates presenting a risk of rising damp before application of a concrete resurfacer, a parquet adhesive or any other floor covering (in workshops, industrial warehouses, parking areas, etc).

EMFIPRIM EPOXY is used as a primer (to promote the grip of the resurfacer or adhesive) or against rearward moisture penetration (moisture barrier) on substrates like cement screeds, concrete, etc. with a high degree of residual moisture (up to 10% CM on cement screeds).

EMFIPRIM EPOXY has also an excellent adhesion on tiles, various metals (aluminium, steel, brass, zinc), old coatings, various plastics and other critical substrates.

Thanks to its low viscosity, EMFIPRIM EPOXY penetrates perfectly into low- and non-porous substrates, even at low temperature (minimum 10°C).

Not suitable on bituminous substrates. Usable both indoor and outdoor.

TECHNICAL DATA

Appearance	Fluid
Color	Transparent, yellowish
Density at 20°C	Approx. 1.09
Application temperature	10 to 30°C
Mixing ratio (by weight)	A / B = 2 / 1
Mixing ratio (by volume)	A / B = 1,83 / 1
Pot life (at 50% HR)	<ul style="list-style-type: none">- 20 - 25 min at 30°C- 40 - 50 min at 20°C- 80 - 100 min at 10°C
Tack free time (at 50% RH)	<ul style="list-style-type: none">- 6 - 8h (max. 12h) at 30°C- 12 - 16h (max. 24h) at 20°C- 24 - 36h (max. 48h) at 10°C
Complete cure (at 50% RH)	<ul style="list-style-type: none">- 3 days at 30°C- 7 days at 20°C- 10 days at 10°C

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UV resistance	Average: slight change in color and some chalking expected
Chemical resistance	Once cured: resistant to water, seawater, wastewater, brines, diluted acids, salt solutions, mineral oils, lubricants, fuels as well as many solvents. Carry out tests beforehand.

INSTRUCTIONS FOR USE

Substrates preparation:

The substrates must be even, healthy, cohesive, clean, without cracks, dust free and not have any traces of grease or other contaminants that could affect adhesion.

Remove mechanically and totally old coatings and non-adherent residues from the substrates.

If necessary, rub down metallic surfaces beforehand (especially in presence of oxidation). After rubbing down, clean them with a solvent and allow to dry for at least 10 minutes.

Substrates, air and floor temperatures should be between 10 and 30°C during application and curing.

Relative humidity must not exceed 80%.

Ensure, particularly on heating floor, not to apply the product on a substrate with a temperature above 25°C.

Note: when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer.

Product preparation:

Pierce the bottom of the upper container with a pointed object so that component B (hardener) flows entirely in component A (resin).

Detach and lift the top element, then carefully mix the two components with a slow rotary stirrer (300 rpm) until obtaining a homogeneous mixture. Avoid too fast agitation.

Application:

Do not work below 10°C.

Ensure a good ventilation after application and during curing.

The surface should be protected against direct contact with water during the complete curing phase.

– Use as a primer: pour EMFIPRIM EPOXY onto the prepared surface, apply roughly with a rubber squeegee or a notched spatula, then spread uniformly with a short-haired roller taking care to cross the widths.

In the bed of the layer of still fresh primer, spread immediately (within the hour following the application) a regular layer of fine, dry sand (diameter 0.6 to 1.2 mm) at a rate of 1 kg/m².

After a 12-hour minimum drying (at 20°C), eliminate the grains of sand that are not fixed (by vacuum or sweep) before applying a concrete resurfacer, a parquet adhesive or any other floor covering.

– Use against rearward moisture penetration: EMFIPRIM EPOXY is applied in two crossed layers, by being careful to treat also the walls all around (on about 10 to 20 cm in height).

After applying the first layer (as above), the second layer must be applied directly during the tack free time. Do not spread sand onto the first layer as protective properties may be lost.

In the bed of the last layer of still fresh primer, spread immediately (within the hour following the application) a regular layer of fine, dry sand (diameter 0.6 to 1.2 mm) at a rate of 1 kg/m².

After a 12-hour minimum drying (at 20°C), eliminate the grains of sand that are not fixed (by vacuum or sweep) before applying a concrete resurfacer, a parquet adhesive or any other floor covering.

Cleaning:

Tools can be cleaned with EMFINET 683, methylethylketone (MEK) or acetone before complete curing. After curing, abrasion is necessary.

CONSUMPTION

Use as a primer: 250 to 350 g/m² depending on substrates.

Use against rearward moisture penetration: 400 to 500 g/m² depending on substrates (in two layers).

STORAGE AND SHELF LIFE

12 months in closed original packaging stored at a temperature below 25°C.

In cold weather, store the packaging at about 20°C before use.

Frost sensitive.

PACKAGING

5 kg buckets (3,3 kg resin + 1,7 kg hardener).

Contact us for other packaging options.

SAFETY

Read material safety data sheet before use.

PRECAUTIONS FOR USE

Restricted to professional users.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.