

# EUCOPRIM EP FIXAPLUS

## 3 COMPONENT EPOXY PRIMER - ON SMOOTH SURFACES

### FIELD OF APPLICATION

EUCOPRIM EP FIXAPLUS is a 3-component epoxy primer that is extremely suitable as an adhesive layer for synthetic resin systems on very smooth and less porous, closed substrates consisting of concrete, old epoxy synthetic resin layers and tile floors. The 3rd component is an adhesion promoter.

- Parking decks, garages, workshops, warehouses, storage areas for dangerous goods, industry, basements and underground structures, decorative floors, retail spaces, shopping centres, public buildings, industrial kitchens, food and pharmaceutical industry, etc...
- As a primer on closed, less porous lightly sanded concrete substrates.
- As a primer on existing polyaspartic and epoxy synthetic resin systems.
- As a primer on lightly grinded tile floors.

### BENEFITS & FEATURES

- Excellent adhesion to concrete.
- Excellent adhesion on old epoxy and polyaspartic synthetic resin systems
- Excellent adhesion to sanded tile floors.
- Solvent free - low odour.
- Can be overcoated with epoxy, polyurethane, polyaspartic synthetic resin systems.
- Can be overcoated with cement floors after broadcasting the primer.

### APPLICATION

#### Application conditions

EUCOPRIM EP FIXAPLUS must be stored between +15 and +25°C, approximately 24 hours before application. The surface, the ambient temperature and the temperature of the equipment to be used must be between +15°C and +30°C.

Relative ambient humidity: max. 85%.

Substrate moisture content: < 5% (weight percent).

Compressive strength of the substrate: min. 25 N/mm<sup>2</sup>

Tensile strength of the substrate: min. 1.5 N/mm<sup>2</sup>

Dew point before and during application and during curing: The temperature of the substrate must be +3°C higher than the dew point.

Provide sufficient ventilation after application to obtain good curing of the product.

Moving joints and cracks (expansion joints, settlement joints, ...) must be repeated in the system. Contraction joints, cracks and joints can be overcoated, if treated correctly, provided they are not active and do not / no longer follow the movements / settlement of the building

#### Tools & complementary products

- Mixer with spindle and clean mixing containers.
- Rubber squeegee, brush or paint roller..
- Masking tape.

Order separately:

- Granulate (if broadcasting of primer is desired)
- EUCOSOLV MEK

### Preparations

The surface to be treated must be dry (moisture content <5%) and must be free of free standing water. Make cracks, joints and other parts showing water leaks completely water and leak proof with the EUCOCHEM BV EUCOINJECT injection resins. Existing screeds and concrete surfaces must be at least 28 days old.

Remove loose, poorly adhering or insufficiently load-bearing parts mechanically. Repair the areas that are not sufficiently flat with complimentary EUCOCHEM products.

The surface must be free of dirt, grease, release agent, grease, old, demoulding oil, cement skin, old paint layers that do not adhere well, coatings, synthetic resin layers, adhesives, bitumen, ... or other matters that can adversely influence the adhesion. The substrate must be mechanically pretreated. For example by bullet blasting, sandblasting or by sanding the surface.

Degrease tiles and old synthetic resin layers well and sand with a diamond mesh.

You can make seamless resin skirting boards with EUCOPRIM EP (primer) and EUCOREP EP (skirting and repair mortar).

Before applying the primer, brush all surfaces well and remove dust with an industrial vacuum cleaner.

Always use clean equipment and clean mixing containers.

### Preparation of the product

First mix component A for 2 minutes with a mixer and spindle. Then gradually add component C (0,25 l) while continuing to mix to the A component until a homogeneous mixture is obtained. Then add the B component completely to the mixture and mix again for at least 2 minutes until a homogeneous mixture is obtained. This mixture can now be used as a primer.

The mixing operations are carried out mechanically with a mixer at low speed (max. 300 rpm) in order not to include air in the resin. This avoids the formation of air bubbles in the mixture and in the applied layer. After this, the product is ready for use.

### Application of the product

Process the product within 30 min. after mixing. (at +20°C)

Application with brush or paint roller:

Pour the EUCOPRIM EP FIXAPLUS mixture onto the surface to be treated and spread evenly with the paint roller or brush until a completely closed film is obtained.

Application with rubber squeegee + paint roller:

Pour EUCOPRIM EP FIXAPLUS onto the surface to be treated and spread evenly with the rubber squeegee until a completely closed film is obtained. Application with a rubber squeegee on smooth, even surfaces is automatically followed by subsequent rolling with a 50 cm wide paint roller.

To further improve the adhesion between primer and synthetic resin system to be applied afterwards, EUCOPRIM EP FIXAPLUS may be optionally broadcasted with dried granulate.

### Finishing

Between 12 and 48 hours (at 20°C) after applying EUCOPRIM EP FIXAPLUS the next layer of the synthetic resin system can be applied.

## Cleaning of the tools

Clean the used tools with EUCOSOLV MEK. Cured product residue must be removed mechanically.

## MAINTENANCE AFTER APPLICATION

Does not apply.

## TECHNICAL DATA

### Consumption

Consumption depends on the application, the porosity and the roughness of the substrate:

Approx. 350 g/m<sup>2</sup>/layer..

### Technical data & reaction times

Property	Value
Basic raw materials	Comp A + B :Solventfree epoxy resin Comp C: organic complex as an adhesion promoter
Composition	3 component resin
Density	Mixture 1,67 kg/dm <sup>3</sup> (+/- 0,05)
Tensile strength	> 2 mPa
Dry matter content	96 % (+/-2%)
VOC / COV:	Conforms to 2004/42/CE. Limit imposed by the EU for this type of product: 500g/l COV (2010). The mixed product contains: 150 g/l VOC/COV.
Colour resin mixture	Glossy - grey

Pot life after mixing: Max. 30 min.

Recoat time: Between 12 and 48 hours

Pedestrian accessible: After 24 hours

Light mechanical load: After 3 days

Full mechanical load: After 7 days

Full chemical resistance: After 7 days (Attention: water is also a chemical product.)

Times measured at 20°C. Changes in temperature result in different reaction times.

### Chemical resistances

EUCOPRIM EP FIXAPLUS has excellent chemical resistance to alkalis, petroleum derivatives, battery acid, diluted organic acids, salts and solutions. When used in applications with chemically products, it is advisable to consult your EUCOCHEM BV representative.

### Additional documentation & referrals

Always consult all technical data sheets and material safety data sheets of the products to be used. Always work with clean tools in good condition.

## APPEARANCE - COMPOSITION - PACKAGING

EUCOPRIM EP FIXAPLUS is available as follows:

20.25 kg set:

Comp. A : 17 kg

Comp. B: 3 kg

Comp. C: 0.25 kg

EUCOPRIM EP FIXAPLUS can be stored in its original, unopened packaging and in a dry room. Do not store in direct sunlight and between +5°C and +30°C. Shelf life 12 months after production date if kept under the above mentioned conditions.

## ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCOCHEM BV representative.

## SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at [op www.eucochem.com](http://op.www.eucochem.com). When in doubt, contact our technical service.

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