

# EUCOPRIM EP

## STANDARD UNIVERSAL EPOXY PRIMER

### FIELD OF APPLICATION

EUCOPRIM EP is a standard universal epoxy primer which is extremely appropriate as an adhesive layer for synthetic resin systems (epoxy, PUR, polyaspartic) on concrete, existing epoxy and polyaspartic coatings, resin floors, etc...

- Parking decks, garages, workshops, warehouses, hazardous goods storage, industry, decorative floors, retail areas, shopping centres, public buildings, industrial kitchens, food and pharmaceutical industries, etc.
- As an epoxy primer on standard concrete surfaces and screeds;
- As a primer on existing epoxy, polyaspartic synthetic resin systems.
- As a primer on sufficiently dried out and dry cement based levelling floors.
- Can be used as a multilayer broadcasted rolling system. (Contact EUCOCHEM BV for this)
- Etc.

### BENEFITS & FEATURES

- Excellent adhesion to concrete.
- Excellent adhesion on old epoxy and polyaspartic synthetic resin systems etc...
- Simple mixing ratio - 2/1
- Solvent free - low odour.
- Shrink-free.
- Good chemical and mechanical resistance..
- Can be overcoated with epoxy, polyurethane, polyaspartic synthetic resin systems and, after broadcasting - also with cement floors.

### APPLICATION

#### Application conditions

Approximately 24 hours before the application, EUCOPRIM EP must be stored between

+15°C and +25°C. The substrate, 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.

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

Add the B component completely to the A component and mix for at least 2 minutes until a homogeneous mixture is obtained. This mixture can now be used as a primer.

The mixing operations are always 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 EUCOPRIM EP 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 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.

Provide complete coverage of the surface. When applying on highly absorbent surfaces, you can opt to apply a second layer, 24 hours after application of the first layer.

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

### Finishing

24 hours (at 20°C) after applying EUCOPRIM EP 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:

300 to 450 g/m<sup>2</sup>/layer.

### Technical data & reaction times

Property	Value
Basic raw materials	A comp: Modified epoxy resin B-comp: Polyamine hardener
Composition	2 component resin
Density	Comp A: 1,1 kg/dm <sup>3</sup> Comp B: 1,03 kg/dm <sup>3</sup>
Tensile strength	> 2 mPa
Impact resistance	>10 Nm
Wear resistance	AR 0.5
Mixing ratio resin mixture (A: B)	2 : 1 (in weight)
Viscosity mixture at 20°C	485 mPa.s
Dry matter content	100%
Heat resistance	60°C
Shore D	75
Colour resin mixture	Glossy - grey

Pot life after mixing: Max. 30 min.

Dry after: approx. 8 hours

Pedestrian traffic: After 8 hours

Recoat time: After 24 hours

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 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 is available as follows:

24 kg set:

Comp. A: 16 kg

Comp. B: 8 kg

EUCOPRIM EP can be stored in its original, unopened packaging and in a dry room. Do not store in direct sunlight and between +5°C and +35°C. Shelf life 24 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.

All information in this technical data sheet is provided in good faith and without any guarantees. The choice of a product for any application by the buyer or applicator, the processing of the products, the preparations, the finishing, the use of the right equipment to apply the products and all this in the broadest sense, are entirely beyond our control and are therefore entirely the responsibility of the buyer or applicator. Therefore, EUCOCHEM bv cannot be held responsible on the basis of what is mentioned above. Should EUCOCHEM bv nevertheless be held responsible for damage incurred, the claim will always be limited to the value of the necessary EUCOCHEM bv products to be delivered in order to carry out a minimal repair. EUCOCHEM bv strives to deliver products of consistent, good quality. All values on the technical data sheet are average values and are the result of tests performed under laboratory conditions. Values that are measured in jobsite conditions and the like may deviate from the stated values. This is because the environmental conditions, the application and the manner of processing our products are also outside our control. Please note that you should not add any products other than those indicated in our technical documentation. Only use EUCOCHEM bv products for a system under construction. If you combine products from different suppliers or brands, the warranty expires irrevocably. When applying the EUCOCHEM bv products it is necessary to draw up a construction site log and to fill it in on a regular basis. EUCOCHEM bv can consult the construction site log at any time and / or request a copy to check whether the products and systems have been correctly installed or installed in accordance with the regulations set by EUCOCHEM bv. We also refer to our general terms and conditions in case of dispute. This version of the technical data sheet replaces all previous versions. Version 1.0 Date: 14 October 2021 11:10 am