

EUCOCOAT EP ECO G

WATER-BASED AND VAPOUR-OPEN EPOXY COATING AND TOPCOAT - GLOSS

FIELD OF APPLICATION

EUCOCOAT EP ECO G (Gloss) is a two-component, water-based and vapour-open epoxy coating. This coating can be placed both horizontally and vertically.

EUCOCOAT EP ECO G is also extremely suitable as a top layer on vapour-open and vapour-tight epoxy, cement and polyaspartic cast floors.

- As a coating or as a top coat.
- Underground and above parking decks.
- Garages, workshops, warehouses, storage areas for dangerous goods, emergency water reservoirs, basements and underground structures, food and pharmaceutical industry, public buildings, museums, schools, etc.
- Industrial and public floors, walls and pillars to be coated, ...
- Basements, tunnels and other underground structures
- etc...

BENEFITS & FEATURES

- Can be applied indoors
- Can be used horizontally and vertically
- Can be applied manually or sprayable
- Vapour permeable - can be applied on slightly damp substrates. (< 10%)
- EUCOCHEM - ECO system: Water-based - solvent-free
- High chemical resistance
- Liquid proof
- Glossy aspect
- Transparent or coloured
- Limited layer thickness - good coverage
- High abrasion resistance

APPLICATION

Application conditions

EUCOCOAT EP ECO G 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 +10°C and +30°C.

Relative ambient humidity: max. 85%.

Substrate moisture content: < 10% (weight percent).

Compressive strength of the substrate: min. 25 N/mm²

Tensile strength of the substrate: min. 1.5 N/mm²

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 over-coated, 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.

- Brush or paint roller (12 mm hair and suitable for synthetic resin),
- Clean mixing containers.
- Masking tape.

Order separately:

- EUCOGRAN 0,4-0,8 (if broadcasting of the first layer to obtain a non-slip effect is desired).
- EUCOGRAN AG (if light anti-slip is required)

Preparations

The surface to be treated must be dry or slightly damp (moisture content <10%) and must be free of free-standing water. Make cracks, fissures, joints and other parts showing water leaks completely water and leak proof with the EUCOCHEM BV EUJOINJECT injection resins. Existing screeds and concrete surfaces must be at least 7 days old. Remove loose, poorly adhering or insufficiently load-bearing parts mechanically. Repair the areas that are not sufficiently flat with:

EUCOREP EP FLOOR mortar.

EUCOPRIM EP ECO + EUCOGRAN 0.1-0.3 egaliser / levelling layer (1/1 ratio).

EUCOREP EP PASTE epoxy paste.

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 therefore also be mechanically pretreated. For example by bullet blasting, sandblasting or by sanding the surface.

Degrease tiles well, grind with a diamond disc, remove dust and apply a suitable primer + egaliser or levelling layer:

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

If you wish to apply EUCOCOAT EP ECO G to a very highly absorbent, porous surface, it is advisable to first treat the surface with our EUCOPRIM EP ECO. Pre-treat metal parts first and apply a suitable primer.

Before applying the coating or top coat, brush all surfaces well and remove dust with an industrial vacuum cleaner.

Always use clean equipment and clean mixing containers.

Preparation of the product

Stir the A-component homogeneously before use. Then add the full amount of B-component and mix mechanically (300 rpm) until both components are homogeneous. It is now possible to dilute EUCOCOAT EP ECO G with max. 5% (weight) of pure water. Add the pure water while mixing until a homogeneous mass is again obtained. The coating is now ready to use.

Application of the product

Apply EUCOCOAT EP ECO G within 60 minutes (at 20°C) after mixing the product.

As a floor-, wall coating or top coat - smooth:

Apply a first layer of EUCOCOAT EP ECO G on the surface with a brush or suitable paint roller, always working crosswise.

12 hours after applying the first coat, a second coat must be applied. Always work crosswise now too.

As a floor coating or top coat - light anti-slip finish:

To obtain a light anti-slip, you can add EUCOGRAN AG to the A component

before adding and mixing in the B component. (max. 2% - weight of the full set).

As a floor coating or top coat - anti-slip finish

Apply a first layer of EUCOCOAT EP ECO G on the surface with a brush or suitable paint roller, always working crosswise.

An anti-slip finish can be obtained by spreading dry granulate immediately after applying the EUCOCOAT EP ECO G in this first still wet layer.

12 hours after applying the first layer, vacuum the surface industrially to remove the loose granulate. After this, the second layer must be applied. Always work crosswise now too.

Finishing

Does not apply.

Cleaning of the tools

Clean the used equipment with pure water. Cured product residue must be removed mechanically.

MAINTENANCE AFTER APPLICATION

For this we refer to the Brochure "Synthetic resin floors - cleaning and maintenance".

TECHNICAL DATA

Consumption

As a top coat, floor or wall coating - smooth First layer:

+/- 250g/m² (Depending on the roughness and porosity of the substrate).

Second layer: +/- 250g/m²

As a top coat or floor coating - anti-slip First layer:

+/- 250g/m² (Depending on the roughness and porosity of the substrate).

+ broadcasting granulate

Second layer: +/- 500g/m² (Depending on the degree of anti-slip, so the roughness of the surface)

Technical data & reaction times

Property	Value
Zwelvevermogen	Epoxy resin Solvent-free / water-based system
Density	Comp A: 1,42 kg/dm ³ (+/- 0,05) Comp B: 1.12 Mixture A+B: 1.37 (+/- 0.05)
Dry matter content	67% (+/- 2%)
Mixing ratio	A / B = 5/1 (weight)
Vapour permeability	Class V2
Aspect	Glossy
Tensile strength	>2 MPa
VOC / COV	Conforms to 2004/42/CE. Limit imposed by the EU for this type of product: 140g/l COV (2010). The mixed product contains: 52 g/l COV.
Colour	TRANSPARENT or RAL - also see the EUCOCHEM COLOUR CHART

Pot life after mixing: 30 min. (At +20°C)

Recoat time: After 12 to 48 hours (at +20°C)

Pedestrian traffic: After 36 hours (at +20°C)

Light mechanical load: After 3 days (at +20°C)

Full curing + mechanical load: (Attention: water is also a chemical product): After 7 days (at +20°C)

Chemical resistances

Good chemical resistance against 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

EUCOCOAT EP ECO G is available as follows:

COLOURED OR TRANSPARENT

20 kg set:

Comp A: 16,67 kg

Comp B: 3.33 kg

EUCOCOAT EP ECO G 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. It has a shelf life of 12 months after production date, provided it is stored under the conditions described above.

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 11:03 am