

EUCOCOL EP WS

SLIGHTLY THIXOTROPIC EPOXY ADHESIVE - ADHERES TO DAMP SURFACES

FIELD OF APPLICATION

EUCOCOL EP WS (Wet Surface) is a solvent-free, slightly thixotropic epoxy adhesive that also adheres to slightly damp surfaces. This adhesive is used as a construction adhesive for the application of glued reinforcement, the installation of anchor applications in steel, glass fibre or carbon fibre.

EUCOCOL EP WS is an adhesive for concrete, brick, natural stone, wood and inorganic building materials, dry and wet. Its adhesion exceeds the cohesion of the glued materials.

Ideally suited for bonding the EUCOJOINT B flexible polyolefin (FPO) water-proofing strip.

BENEFITS & FEATURES

- High initial bonding strength - adheres to dry and wet surfaces
- Good filling capacity
- Exceptional adhesion to steel
- Shrink-free curing
- Solvent free
- Mixing control by colour
- Limited layer thickness
- Liquid proof
- High mechanical resistance.
- Horizontal en vertical applications
- A / B mixing ratio is 2 / 1.

APPLICATION

Application conditions

EUCOCOL EP WS 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. Never work with EUCOCOL EP WS below +10°C.

Relative ambient humidity: max. 80%.

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

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.

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

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

Tools & complementary products

- Mixer with spindle
- Trowel, spatula
- EUCOSOLV MEK
- Masking tape.

Preparations

The surface to be treated must be free of standing water (moisture content <10%). Make cracks, fissures, joints and other parts showing important water leaks completely water and leak proof with the EUCOCHEM BV EUCOINJECT injection resins. Mechanically remove all loose parts, then brush well and remove dust with an industrial vacuum cleaner. The surface must be free of dirt, grease, adhesion promoter, grease, oil, formwork

oil, cement skin, old non-adhering paint layers, coatings, synthetic resin layers, adhesives, bitumen,... or other materials that can adversely affect adhesion. The substrate must be mechanically pretreated. For example by bullet blasting, sandblasting or by sanding the surface.

Prepare metal substrates by blasting them. The roughness grade for metal surfaces is SA 2 1/2. Then immediately degrease the surface with EUCO-SOLV MEK. After complete evaporation of the solvent, immediately apply a suitable metal primer to prevent re-oxidation of the steel.

Preparation of the product

First mix the EUCOCOL EP WS A-component briefly to a homogeneous mixture. Then add the full amount of the EUCOCOL EP WS B-component to the A-component. Mix again to obtain a homogeneous and lump-free mass. Mixing is always done with a mixer + spindle at a moderate speed.

Application of the product

Spread and profile with a trowel and finish with a spatula. Minimum layer thickness is 2 mm. For gluing objects, it is recommended to use the double gluing technique. It may be necessary to prop up elements that are to be glued together and this up to the full curing time of the adhesive (approx. 24 hours - depending on the ambient temperature).

For the bonding of EUCOJOINT B FPO strips, spread the adhesive on the surface (wider than the contact surface). Press the strips into the glue. Roll afterwards with a pressure roller. Then apply the masking tape in the middle over the full length of the FPO strips. Apply another layer of adhesive (wider than the contact surface).

Finishing

Remove the excess material and masking tape immediately after applying the adhesive. Adhesive residues that have cured must be removed mechanically afterwards;

Cleaning of the tools

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

MAINTENANCE AFTER APPLICATION

If EUCOCOL EP WS is coated with other synthetic resin products, please consult the technical data sheets of these systems.

TECHNICAL DATA

Consumption

1,5 kg/m²/mm layer thickness.

Minimum layer thickness: 2 mm

Technical data & reaction times

| Property | Value |
|----------------------|---|
| Basic raw materials | A-component: White thixotropic paste of epoxy resin and filler B-component: Polyamine hardener paste |
| Density | 1.5 kg/dm ³ |
| Compressive strength | > 10 N/mm ² . |
| Flexural strength | > 10 N/mm ² . |

| | |
|----------------------------------|--------------------------------------|
| Adhesion to dry and wet concrete | Exceeds the cohesion of the material |
| Adhesion to steel | > 10 N/mm ² . |
| Heat resistance | 60°C |
| Processing time | Approx. 90 minutes at 20°C |
| Colour | Mixing colour concrete grey |

Pot life after mixing: 90 minutes

Mechanical load: After 48 hours.

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

Full curing: after 7 days.

Times measured at +20°C. Lower temperatures extend and higher temperatures shorten the curing time.

Chemical resistances

Good chemical resistance against alkalis, petroleum derivatives, battery acid, diluted organic acids, salts and solutions. For more information, please contact EUCCHEM BV.

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

EUCCOL EP WS is available as follows:

6 kg set

Comp A: 4 kg

Comp B: 2 kg

Storage takes place in a dry room between +5°C and +30°C in its unopened, original packaging; shelf life of 24 months after production date, if stored under the above mentioned conditions.

ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCCHEM 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://www.eucochem.com). When in doubt, contact our technical service.

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