

EUCOPREV MASTIC

CAULK-APPLIED SWELLING PASTE FOR WATERPROOFING CONSTRUCTION- AND CASTING JOINT

FIELD OF APPLICATION

EUCOPREV MASTIC is a 1 component caulk-applied swelling paste for waterproofing construction- and casting joints against smooth and rough surfaces. It has been developed to swell in contact with water and subsequently create a waterproofing barrier and seals the joint or seam from penetrating water.

- Tube exterior
- Exterior of spacers, thread and tie rods
- Rough and smooth surfaces and construction elements, construction joints, ... in concrete
- Prefab elements, pouring against concrete elements.
- Pouring against sheet piling, secant pile walls, existing walls, ...
- Construction joint floor slab/wall.
- Combined with a metal sealing sheet to create an active system.
- As an adhesive for bentonite and synthetic swelling tapes such as EUCOPREV B - EUCOPREV B SALT - EUCOPREV S 4V and 7V - EUCOPREV S SALT or other...
- Smoothing out a surface that is too rough before installing bentonite or synthetic swelling tapes.
- etc...

BENEFITS & FEATURES

- Single-component system.
- MDI based.
- Very good adhesion to concrete and steel.
- Can be installed on damp surfaces and in damp conditions.
- High elasticity.
- Remains elastic after curing.
- Solvent free.
- High swelling: up to 450%.
- Can be applied under water.
- Does not sag.

APPLICATION

Application conditions

Check that the pressure that the swelling tape will transfer onto the concrete during swelling is not too big. Sufficient concrete cover is therefore important. Always place the strip in the middle of the pour seam. On each side of the EUCOPREV MASTIC, a concrete cover of 7 cm is required to avoid the concrete breaking under the expansion pressure. the recommended application temperature is between -1°C and +40°C. When in doubt whether EUCOPREV MASTIC will adhere to a dubious substrate, it is advisable to perform an adhesion test.

Tools & complementary products

- Kit gun (closed tube) + nozzle for sausages 600cc.

Preparations

Clean the surface of dust, oil, formwork oil, stains and other impurities by brushing, with air pressure lance, etc.

EUCOPREV MASTIC is a ready-to-use product. Place the sausage in the kit gun.. Then cut 1 cm off the top of the sausage. Close the cartridge with the sleeve to attach the nozzle. Cut the nozzle to the correct diameter. (1 cm)

Application of the product

As a sprayable swelling paste:

Apply EUCOPREV MASTIC with the kit gun in the middle of the joint in a continuous bead of at least 1 cm by 1 cm. For some heavier applications, it may be necessary to apply multiple beads.

Bonding bentonite and synthetic swelling tapes:

Spray the EUCOPREV MASTIC with a kit gun in a bead with a thickness of 10 mm on the concrete surface in the middle where the pour joint will form. That is at the place where swelling tape has to be applied. Roll out the swelling tape and press it firmly into the adhesive within 10 minutes. The ends of the tape at the overlap should also be pressed firmly together. Additional nailing ensures that the tape is firmly attached to the concrete.

Always consult the technical data sheets of the EU-CHEM products: EUCOPREV B - EUCOPREV B SALT - EUCOPREV S 4V - EUCOPREV S 7V - EUCOPREV S SALT

Levelling before applying swelling tapes:

Apply EUCOPREV MASTIC on a spatula or putty knife and level the surface before gluing or nailing the swelling tape.

Finishing

Never pour the concrete directly onto the freshly applied product. Wait at least 24 hours before pouring the concrete.

Cleaning of the tools

Remove non-cured material mechanically and remove the residues with EUCOSOLV MEK. Remove cured material mechanically.

MAINTENANCE AFTER APPLICATION

Does not apply.

TECHNICAL DATA

Consumption

Average consumption depends on the quality and roughness of the surface. Nozzle cut off at 1 cm gives about 6 m of bead / sausage.

Technical data & reaction times

Property	Value	Standard
Basic raw materials	Polyurethane	
Curing	Polymerisation by air humidity Skin formation (20°C/RH 65%) 120 min Curing speed (20°C / 65% RH): 1.8 mm/24h Full cure: 24 hours These values depend on environmental factors such as temperature, humidity and type of substrate.	
Swelling capacity	450%	
Density	1,37kg/dm ³	
Resistance to water pressure	5 bar	
Hardness Shore-A	15	
Elongation at Break in joint	> 250%	(ISO 839)
Application temperature	+1°C to +40°C	

Temperature resistance	-30°C to +90°C	
Shrinkage	max 4%	
Modulus of elasticity in film	0.34 MPa	(DIN 53504)
Tear strength in film	Ca. 0.60 MPa	(DIN 53504)
Elongation at break in film	>800%	(DIN 53504)
Elasticity Modulus in joint	Ca. 0.12 MPa	(ISO 839)
Tear strength in joint	Ca. 0.20 MPa	(ISO 839)
Solid	100%	

Chemical resistances

Good chemical resistance. When used in applications with chemically polluted water, it is advisable to consult EUCOCHEM BV.

Additional documentation & referrals

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

APPEARANCE - COMPOSITION - PACKAGING

EUCOPREV MASTIC is a white paste.

EUCOPREV MASTIC is available as follows:

- 1 sausage is 600 cc (weight per sausage: 0,9 kg)
- 12 sausages/box (= minimum take)
- 1 pallet = 40 boxes

EUCOPREV MASTIC is sensitive to moisture, storage takes place in a dry room between +5°C and +30°C and can be kept for 12 months from production date if stored under the conditions described above.

ADDITIONAL COMMENTS

EUCOPREV MASTIC only works when it is completely enclosed in the concrete so that it can generate enough pressure to guarantee the watertightness of the joint. For special applications it is advisable to consult EUCOCHEM BV.

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 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 11:07 am