

EUCOPROOF CEM PLUG

CEMENT-BASED, FAST-CURING WATER PLUG

FIELD OF APPLICATION

EUCOPROOF CEM PLUG is a cement-based, very fast-curing premixed mortar with swellable properties. The addition of special additives makes EUCOPROOF CEM PLUG absolutely waterproof against water under high pressure. The mortar does not affect the reinforcing steel. EUCOPROOF CEM PLUG is used for the immediate sealing of water leaks (water under pressure) in tanks, concrete pipes, tunnels, basements, etc. EUCOPROOF CEM PLUG can also be used for quick concrete repairs and as an additive in mortar systems to speed up the reaction time.

- Fast fixations.
- Fast blocking and waterproofing of water leaks, even under extreme hydraulic pressure.
- Filling and sealing of static cracks and joints.
- Waterproofing of wall/wall, wall/floor, wall/ceiling connections.
- Rapid masonry repair.
- Rapid repair of concrete structures.
- Sealing pipe penetrations, waiting pipes and cable penetrations.
- Works in a maritime environment - also underwater.

BENEFITS & FEATURES

- Mortar with a super fast curing (processing time 35 sec.).
- Absolutely waterproof - water plug.
- Easy to apply
- No shrinkage - swelling mortar
- Universally applicable
- Fast setting
- Can be used under water

APPLICATION

Application conditions

The recommended application temperature is between +5°C and +35°C.

Tools & complementary products

- Gloves
- Rubber mixing bowl
- Mixing stick or spatula
- Trowel

Preparations

The substrate must be solid, stable, plaster-free and clean. Loose pieces, release agents, formwork oil, grease should be removed before applying EUCOPROOF CEM PLUG. In addition, the surface must be wet, if necessary the surface must be opened at least 3 cm deep and rinsed with water.

Preparation of the product

EUCOPROOF CEM PLUG is mixed with drinking water to form a homogeneous lump-free material and must be processed within the processing time (approx. 35 seconds). Make sure to only mix an amount of material that can be fully used within the pot life. Depending on the need to adjust the

reaction speed, EUCOPROOF CEM PLUG can be made in accordance with the leak to be sealed. Using cold water is slowing down the reaction time, using lukewarm water is speeding up the reaction time.

Application of the product

When the curing time is reached, the material becomes warm and matte in colour. At that point, EUCOPROOF CEM PLUG must be pushed into the water leak by hand. Maintain the necessary pressure on the applied material with your hands for at least 1 minute.

Finishing

The excess material must then be removed immediately, within a few minutes, after application with a spatula or a trowel. (Always do this from the centre to the outside of the hole, crack, joint or seam).

Cleaning of the tools

Clean the used equipment with water, cured material must be removed mechanically.

MAINTENANCE AFTER APPLICATION

Does not apply.

TECHNICAL DATA

Consumption

Ca. 1.9 kg/dm³

Technical data & reaction times

Property	Value
Basic raw materials	Special cements and additives
Density	Bulk density: 1,3 kg/dm ³ After mixing: 1.9 kg/dm ³
Mixing ratio	Approx. 300 ml water / kg powder
Compressive strength	After 1 hour: approx. 2 N/mm ² After 28 days: approx. 6.5 N/mm ²
Water tightness according to DIN EN 12390-8:	Positive water pressure = 4 bar Negative water pressure = 4 bar
Fire class according to DIN EN 13501-1:	Class A1
Application temperature	+5°C to +35°C
Chloride content	< 0,05%
View - colour	Powder - grey

Chemical resistances

When used in applications with chemically contaminated water, it is advisable to consult your EUCCHEM 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

EUCOPROOF CEM PLUG is available in 12 kg buckets.

Store EUCOPROOF CEM PLUG in a dry, frost-free room and in the unopened original packaging. Do not store in direct sunlight and between +5°C and +30°C. It has a shelf life of 6 months after production date, provided it is stored under the conditions described above.

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.

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, EUCCHEM bv cannot be held responsible on the basis of what is mentioned above. Should EUCCHEM bv nevertheless be held responsible for damage incurred, the claim will always be limited to the value of the necessary EUCCHEM bv products to be delivered in order to carry out a minimal repair. EUCCHEM 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 EUCCHEM bv products for a system under construction. If you combine products from different suppliers or brands, the warranty expires irrevocably. When applying the EUCCHEM bv products it is necessary to draw up a construction site log and to fill it in on a regular basis. EUCCHEM 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 EUCCHEM 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