

# EUCOPROOF MORTAR THIX

**CEMENT-BASED, FIBRE-REINFORCED, FAST-SETTING, SLIGHTLY SWELLING AND WATER-REPELLENT MORTAR**

## FIELD OF APPLICATION

EUCOPROOF MORTAR THIX is a fast-setting, fibre-reinforced and slightly swelling mortar based on special cement, additives and gravel. The mortar adheres perfectly to almost all absorbent mineral surfaces, is water-repellent and also frost and salt resistant.

EUCOPROOF MORTAR THIX is used in new construction, but also for renovation and sealing of structures against water under pressure and capillary moisture;

- Suitable in combination with EUCOPROOF COMPOUND.
- Water penetration.
- Filling cavities and masonry joints.
- Sealing of masonry and concrete structures as coating.
- Regrooving of concrete structures and old coatings.
- Fireproof mortar.
- Sewage works.
- Etc...

## BENEFITS & FEATURES

- Dry mortar
- Good thixotropy, does not sag.
- Can be applied in one step in a thickness of up to 10 cm.
- Water resistant
- Fibre reinforced
- Highly resilient
- Plaster free
- Quick setting
- High adhesion to the substrate
- Corrosion protection
- Good resistance to acids and alkalis
- Sulphate resistant

## APPLICATION

### Application conditions

Before starting with the application, it is necessary to test various parameters in order to achieve a good end result.

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>.

The recommended application temperature is between +5°C and +30°C. Moisture content in the substrate: ≤ 10% moisture. The substrate must not contain free-standing water. When used in buildings, the relative air humidity must not exceed 65%.

For applications on substrates with salt efflorescence or on sandy, overly porous substrates, it is advisable to first treat the surface with EUCOPROOF DEEP PRIMER.

### Tools & complementary products

- Clean mixing containers.
- Trowel and or spatula

- EUCOPROOF DEEP PRIMER
- CERMILATEX

### Preparations

The substrate must be solid, stable, plaster-free and clean. Remove loose pieces and dust. The surface must be cleared of adhesion inhibitors, form-work oil, grease, plaster or bitumen and other substances that can adversely affect adhesion. In addition, the surface must be damp (possibly pre-wet the surface), but must be free of free-standing water. For applications on substrates with salt efflorescence or on sandy, overly porous substrates, it is advisable to first treat the surface with EUCOPROOF DEEP PRIMER.

### Preparation of the product

EUCOPROOF MORTAR THIX should be mixed with clean water (approx. 4 L per 25 kg). The amount of water can be adjusted according to the desired thixotropy. Pour the mortar into a clean mixing container and gradually add the water while mixing. When applied on a critical substance 25 % CERMILATEX can be added to the mixing water to obtain a better compressive strength. The minimum mixing time is 3 minutes.

### Application of the product

EUCOPROOF MORTAR THIX can be applied in one step in a thickness of up to 10 cm, depending on the pre-set consistency of the mortar. For higher required layer thicknesses apply EUCOPROOF MORTAR THIX in different layers. Application is wet in wet, which means that the next layer may not be fully cured yet.

### Finishing

After application, the applied product must be protected against drying out too quickly (wind, sun, etc), frost and rain, until complete curing.

### Cleaning of the tools

Clean the used equipment with clean water. Cured residues must be removed mechanically.

## MAINTENANCE AFTER APPLICATION

Does not apply.

## TECHNICAL DATA

### Consumption

1,70 kg/dm<sup>3</sup> = 17 kg/m<sup>2</sup>/cm layer thickness.

### Technical data & reaction times

Property	Value
Basic raw materials	Special cement, additives, fibres
Density	1.70 kg/dm <sup>3</sup>
Gravel granularity	max. 2 mm
Compressive strength	After 1 day: 13 N / mm <sup>2</sup> After 7 days: 42 N/mm <sup>2</sup> . After 28 days: 47 N/mm <sup>2</sup> .
Flexural strength	approx. 6 N / mm <sup>2</sup>
Application temperature	-15°C to +60°C
Water absorption	0,1 kg / m <sup>2</sup>
Mixing ratio	Approx. 4 L per 25 kg - depending on the desired thixotropy
Colour	Grey

Pot life in the tub: 45 min at 20°C.  
Processing time: 30 min at 20°C.

### Chemical resistances

Good resistance to light acids, to salts, sulphates, alkalis, etc. 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

EUCCPROOF MORTAR THIX is available as follows:

Jar of 1 kg.  
Bag of 25 kg.

Store EUCCPROOF MORTAR THIX 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.

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