

EUCOPROOF BITUM F

1 COMPONENT, SILANE MODIFIED (MS), LIQUID-APPLIED WATERPROOFING MEMBRANE

FIELD OF APPLICATION

EUCOPROOF MS SL is a one-component, self-levelling, elastic, highly crack-bridging, bitumen-free, anhydrous and solvent-free special coating based on silane-modified polymers. The product reacts to moisture and cures without air bubbles. This means that in areas of high temperature and humidity, it leads to very fast skin building and curing. For this reason, EUCOPROOF MS SL can be used in almost all weather conditions. Even at high humidity, curing is assured. The product is suitable for use on horizontal and for sealing with positive water pressure.

EUCOPROOF MS SL is used for underground waterproofing of basements, foundations, roof and floor slabs, ...

Particularly suitable for joint sealing in concrete constructions combined with EUCOPROOF FLEECE.

EUCOPROOF MS SL can also be used as an intermediate coating on floor slabs, balconies and terraces... As well as for bonding rigid foam insulation boards. The material adheres to all dry, slightly wet, mineral surfaces and even bituminous surfaces. EUCOPROOF MS SL can in any case be used for all kinds of detailed waterproofing and roof waterproofing.

- Roof slabs and horizontal surfaces of underground structures.
- Horizontal surfaces of foundations.
- Waterproofing of underground masonry along the positive water side.
- Waterproofing and coating of construction joints, static joints and cracks below ground level.
- Sealing and repairing flat roofs, sealing under tiles on balconies, ...
- As sealing and waterproofing of all kinds of construction details.
- Etc...

BENEFITS & FEATURES

- 1 component
- Water, bitumen and solvent free
- Adheres also onto slightly damp surfaces
- Can be applied with brush, roller or spray equipment
- Fast setting - Fast protection against rain
- Highly elastic - High crack bridging
- Absolutely waterproof
- Applicable in almost all weather conditions
- Suitable for bonding rigid foam insulation boards
- Solvent free
- Self levelling.
- Curing by air humidity
- Without lightweight fillers such as polystyrene

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/mm².

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

Treat active water-leaking cracks and joints first with EUCOCHEM injection resins. A primer is recommended but not mandatory (depends on the

type and porosity of the substrate). A primer increases the adhesion to the surface and is also a dust binder. A trial application is recommended on critical surfaces.

Substrate moisture content: $\leq 10\%$ moisture.

The recommended application temperature of primer and waterproofing membrane is between $+10^{\circ}\text{C}$ and $+30^{\circ}\text{C}$. In case of rain, EUCOPROOF MS SL must be protected from immediately after the application until skin formation. Protect from direct sunlight from after the application until curing.

Tools & complementary products

- Roller, smoothing spatula, trowel or spray equipment.
- EUCOSOLV MEK (order separately)
- EUCOPROOF FLEECE (when coating construction details, passive joints, cracks, ...) - (Order separately)
- EUCOPROOF SALTSTOP as an optional primer for mineral substrates

Preparations

Make sure the surface is dry ($<10\%$ moisture) and free from free standing water. The substrate must be absorbent and clean. Adhesion inhibitors such as grease, oil, formwork oil, cement veil and all loose particles and dust must be removed. If necessary, first apply a primer. Expansion joints are repeated in the system to be installed. The flatness of the substrate must correspond to the desired requirements, i.e. fill or level irregularities ($>5\text{ mm}$) with products that are complementary to the substrate, the primer and the waterproofing membrane to be installed.

Construction joints, contraction joints and passive cracks or fissures can be covered. This is on the condition that they are no longer used as expansion joints or if they do not follow other movements of the construction and the substrate and that these are also levelled with products that are complementary to the substrate and the waterproofing system to be installed. Moving and/or leaking cracks and joints must be treated separately or waterproofed by means complementary injection systems. Adhesion will improve on concrete surfaces if these are blasted or sanded before treatment with the primer and the membrane. Hollow inner corners, outer corners (wall/wall, wall/floor slab, ...), joints, flashings, caps and penetrations, etc... must be finished with a mortar that is compatible with the substrate, the primer and the waterproofing membrane.

Preparation of the product

EUCOPROOF MS SL is ready to use.

Application of the product

EUCOPROOF MS SL can be applied with a roller, trowel or spray equipment. Apply a first layer on the entire surface.

PAY ATTENTION! When coating construction details, cracks, joints, corners, ... it is absolutely mandatory to immediately place the reinforcing EUCOPROOF FLEECE in the freshly applied first layer while still wet and also immediately, wet on wet, apply an extra layer of EUCOPROOF MS over the reinforcement fleece.

After 6 hours, the final second layer is applied over the entire surface.

The membrane can be broadcasted with EUCOGRAN 0,4-0,8 to improve the adhesion of e.g. flexible tile adhesives on the applied waterproofing system. Corundum can also be broadcasted in order to obtain a more black, bitumen effect, e.g. for application on roofs.

Maximum layer thickness of the membrane: 8 mm

Finishing

The waterproofing membrane must be protected against damages. For example, when replenishing soil against the construction. Drainage layers and protective layers must be applied after the membrane has fully cured.

Cleaning of the tools

If possible, tools and equipment must be cleaned with EUCOSOLV MEK immediately after use. Cured product residue must be removed mechanically.

MAINTENANCE AFTER APPLICATION

Does not apply.

TECHNICAL DATA

Consumption

1.5 kg/m²/mm layer thickness.

(Apply min. 2 mm to max. 8 mm layer thickness)

For underground waterproofing a consumption of 2,5-3,5 kg is required.

Technical data & reaction times

Property	Value
Basic raw materials	Silane modified polymer
Density	Approx. 1,06 g/m ³ after mixing
Membrane thickness	2 mm min. to 8 mm max.
Time between two layers	1.5 hours (at 20°C) Higher temperatures lead to a faster reaction.
Curing time	21 hours (at +23°C / 50% R.H.)
Appearance	Pasty - light or dark grey
Elongation at break	> 400%

Chemical resistances

Chemical resistance, When used in applications with chemically contaminated water or with chemical products, it is advisable to consult your EUCOCHEM 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

EUCOPROOF MS SL is available as follows:

2 aluminium bags of 7 kg in one bucket = 14 kg.

Available in dark grey and light grey.

Store EUCOPROOF MS SL a dry, frost-free room and in its unopened, original packaging. Do not store in direct sunlight and between +5°C and +30°C. Shelf life 6 months after production date if kept under the above mentioned conditions.

ADDITIONAL COMMENTS

Always consult all technical data sheets of the products to be used. For special applications or when in doubt, always 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 11:14 am