

EUCOPROOF HYDROGEL W40

HYDROPHOBICIZING GEL BASED ON SILANE AND SILOXANE, 40% ACTIVE INGREDIENT

FIELD OF APPLICATION

EUCOPROOF HYDROGEL W40 is a high-quality, gel- and aqueous hydrophobic product based on Silane and Siloxane with a medium high content of active ingredient. The active ingredient content is approx. 40%. After application on absorbent surfaces, it leads to a durable hydrophobic (water-repellent) surface.

EUCOPROOF HYDROGEL W40 is used as a water-repellent protection for all mineral and alkaline surfaces. The material penetrates the surface for a long time, creating a water-repellent surface. Water will easily repel on the surface, in addition, the surface becomes dirt-resistant.

BENEFITS & FEATURES

- Gel-like consistency.
- This means longer penetration time - better absorption by the surface.
- Medium high content of active substance (40%)
- Alkaline resistant.
- Effectively reduces the absorption of chlorides.
- Water vapour permeable
- Solvent free
- Easy to apply with roller, brush or prof. spray equipment.

APPLICATION

Application conditions

The recommended application temperature is between +5°C and +30°C. The substrate must be mineral, alkaline and dry, which means that the substrate must be visibly dry and must not present any damp spots.

Tools & complementary products

- Roller, brush or spray equipment
- Paint tray
- Masking tape.
- Plastic protective film

Preparations

The substrate must be solid, stable and dry. Loose components, release agents, formwork oil, grease and other elements that may adversely affect adhesion must be removed.

Non-absorbent surfaces cannot be treated with EUCOPROOF HYDROGEL W40. Areas or parts in the construction that do not need to be water-repellent, such as doors, windows, ... must be protected before the product is applied with a protective film and masking tape.

Preparation of the product

EUCOPROOF HYDROGEL W40 is used undiluted. Shake well before use.

Application of the product

EUCOPROOF HYDROGEL W40 can be applied by brush, by roller or with airless spray equipment. The material can be applied in one step. Application thicknesses up to 200 g/m² in one layer are possible.

Finishing

Remove the masking tape and the protective film immediately after applying EUCOPROOF HYDROGEL W40 (before drying).

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

200 to 350 gr/m².

Technical data & reaction times

Property	Value
Basic raw materials	Silane / Siloxane emulsion
Density	0.93 kg/dm ³
Active ingredient content:	Approx. 40%
Application temperature	+5°C to +30°C
Flash point	+63 °C (according to ISO 3679)
Colour - View	Consistency Gel-like white. After curing: Transparent

Chemical resistances

When used in applications with chemically products, 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 HYDROGEL W40 is available in 10 L buckets.

Storage takes place in a dry room, in the original and unopened packaging between +5°C and +30°C; shelf life 12 months if stored under the conditions described above.

ADDITIONAL COMMENTS

EUCOPROOF HYDROGEL W40 has been developed to penetrate very deep into concrete structures. The effect is often confused with the "lotus effect". But the "lotus effect" is only effective on the surface and no longer protects the substrate in the long term. EUCOPROOF HYDROGEL W40 increases the water-repellent properties of the substrate after contact with water (rain). Depending on the substrate, the colour can be enhanced after applying EUCOPROOF HYDROGEL W40. To ensure that the result meets expectations, we recommend testing the product in a trial area first.

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