

## CONCRETE WATERPROOFING H 2



- > water-repellent
- > open to vapour diffusion
- > high penetration (Class II > 10 mm)
- > improves frost-thaw resistance
- > reduces the risk of corrosion of the reinforcement

### Product description

Concrete Waterproofing H 2 is a ready-to-use, single-component, low-solvent, silane-based waterproofing agent with an active ingredient content of 99% for concrete and cementitious substrates. The product has a penetration depth of > 10 mm (Class II) and forms a water-repellent surface without impairing the water vapour diffusion capacity of the building material. The freeze-thaw resistance is increased, the moisture content in the concrete is reduced, the onset of corrosion of the reinforcement is delayed and the penetration of pollutants is reduced. By reducing water absorption, the thermal conductivity of the exterior wall is reduced. Concrete Waterproofing H 2 can be used as an additional protective system under acrylic coatings.

Surface protection system according to ÖNORM EN 1504-2

- Protection against penetration of substances (Procedure 1.1)
- Regulation of moisture balance (Procedure 2.1)
- Increase of electrical resistance (Procedure 8.1)

#### Delivery format:

Container	Outer packaging	Pallet
20 KG / KE		12

#### Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container for approx. 12 months.

### Processing

#### Recommended tools:

brush, roller or low-pressure sprayer

#### Mixing:

Concrete Waterproofing H 2 is ready to use and does not need to be mixed.

Screed and Mortar technology

## Processing:

Concrete Waterproofing H 2 can be applied by brush, roller or suitable low-pressure sprayer. The application must be carried out evenly in at least 2 work steps (wet on wet). Touch up any puddles or oversaturated areas with a roller.

Surfaces that should not be coated must be covered and protected. Concrete Waterproofing H 2 may corrode bituminous surfaces.

Prepare a test area before application, as the concrete may appear darker after treatment.

The waterproofed surfaces must be protected from rain for at least 24 hours.

## Technical data

Chemical base	Silane (99 % active ingredient)
Density	approx. 0.88 g/cm <sup>3</sup>
Colour	transparent
Consumption	approx. 400 g/m <sup>2</sup> (for Class II), depending on substrate absorbency
rainproof	after approx. 24 hours at +20°C
Processing temperature	min. +5°C / max. +35°C
Penetration depth according to EN 1504-2	> 10 mm (Class II)

## Test certificates

Tested in accordance with (standard, classification ...)

EN 1504-2

## Substrate

### Suitable substrates:

The substrate must be clean, solid, load-bearing and free from release agents and adhesion-reducing components as well as uniformly dry and without any wet spots. Old coatings must be removed.

Cleaning is done by water blasting or light blasting with solid abrasive. Best results are achieved with concrete substrates that are at least 4 weeks old and absorbent. Earlier application (24 hours after stripping) is possible, but the penetration depth may be reduced.

The residual moisture should not exceed 4 % (CM measuring method).

Do not apply in case of rising damp or retrospective moisture penetration.

Cracks up to 0.75 mm can be reworked, wider cracks must be sealed accordingly.

The substrate temperature must be at least +5°C.

## For a perfect system

### System products:

Murexin Surface Protection Systems

### Description:

Concrete Waterproofing H 2 can be painted over with Murexin Acrylic Paints and provides additional safety in case of possible damage to the paint system.

14545, CONCRETE WATERPROOFING H 2, valid from: 10.11.2021, Magdalena Riegler, Page 2

### Product and processing instructions

#### Material advice:

- If processing outside the ideal temperature- and/or humidity range the material properties could change markedly.
- Bring materials up to temperature before processing!
- To maintain the product properties, do not add any foreign materials!
- Water dosing quantities and dilution information must be strictly adhered to!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The environmental conditions significantly influence colouring.
- Stir ready to use products before usage.

#### Environmental notices:

- Increased humidity and/or lower temperatures delay, low humidity and/or higher temperatures accelerate drying, setting and hardening.
- Protect adjacent components!
- Do not use below +5°C air, substrate and material temperature.
- The ideal air, substrate and material temperature range is +15°C to +25°C.
- The ideal relative humidity range during processing is 40 % to 60%.
- The substrate temperature must be at least 3°C above the dew point!
- Protect from direct sunlight, wind and weather!
- Protect adjacent building components!

#### Tips:

- Generally, we recommend that a test area be created in advance to determine the consumption and the result.
- Keep a genuine original container of the respective batch for later repair work.
- Observe the product data sheets of all MUREXIN products used in the system.

The information provided reflects average values obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

### Safety instructions

Product-specific information regarding composition, handling, cleaning, appropriate measures and disposal can be found in the safety data sheet.

Wear personal protective equipment and pay attention to occupational safety!

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).