

Concrete Hydrophobing Agent 823

water-dilutable, special impregnating concentrate for exterior use only



Field of Application

For water-repellent, transparent impregnation of vertical and inclined mineral, absorbent concrete surfaces. The natural character of the building materials is not changed by this process. Can also be used in accordance with DIN EN 1504-2, taking into account DIN V 18026 and DAfStb-Rili., for water-repellent prime coating of concrete surfaces in accordance with OS 2 (OS B) in system build-up with Concrete Acryl OS 859.

Properties

- Special micro-emulsion based concentrate
 - Water-dilutable
 - Deeply penetrating
 - For exterior use
 - Low odor
 - Water-repellent
 - Increases the frost-thaw-de-icing salt resistance
 - Reduces the water absorption
 - Minimizes the growth of algae and moss
 - UV and alkali-resistant
 - Does not form films
 - Dries transparent
- With water-repellent effect in accordance with DIN EN 1504-2

Material description

Color	colorless
Gloss grade	matt
Material base	Alkyl silicone resin with alkoxy groups
Density	approx. 0.9 to 1.0 g/cm ³
Packaging	1 l (concentrate)

Use

Mixing ratio	One part Concrete Hydrophobing Agent 823 to four parts of clean water. Only mix as much material as you can apply by the end of the day.
Thinning	Following instructions thoroughly mix with only clean water.
Tinting	No tinting.
Compatibility	Do not mix with other types of materials, otherwise the product-specific characteristics might be affected.
Application	Mix Concrete Hydrophobing Agent 823 with water (ratio 1 : 4). Apply the mixture in two work steps wet in moist, from the bottom up, using a brush or dipping method. A dipping method is recommended in order to obtain a uniform saturation of the substrate. If applied using a spray method, use a wide, soft jet at a low spraying pressure.
Weather protection/ post-treatment	Protect the coated concrete surfaces against rain for at least 24 hours, in accordance with OS 2 (OS B) for at least 12 hours.
Pot life	The mixture must be applied within 24 hours.
Consumption	Approx. 180 to 230 ml/m ² ready mixture in two work steps (equiv. to approx. 36 to 46 ml/m ² of concentrate). Determine exact consumption by means of a test application on the object to be coated.
Application temperature	Do not use below +8°C and above +30°C air, object and material temperature. Also ensure the temperature is not below/ above these limits while the material is drying. Make sure the temperature is at least 3 °C above the dew point. Relative humidity must not exceed 80 %.
Tool cleaning	Clean tools immediately after use with water.

Drying

Rainproof after 24 hours.
Waiting time until application of next coat according to topcoat system OS 2 (OS B):
At +10°C min. 12 hours,
at +30°C min. four hours.
Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Store in a cool and dry place, protect against moisture. Unopened original containers can be stored for at least 12 months.

Declaration

Comply with the hazard information and safety tips on the container and the Safety Data Sheet.

Product code BSW20.
Comply with the specifications in the current Safety Data Sheet.

Coating build-up

Substrate preparation To ensure optimum penetration, dirty surfaces should be thoroughly deep-pore cleaned before impregnation using special cleaning agents and a steam cleaner if required. The substrate must be solid, dry, clean, load-bearing, absorbent and free from efflorescence, sinter layers and separating agents. Clean areas infested with fungus or algae thoroughly and then treat them with Universal Disinfectant 542*. (* Use biocides safely. Always read the label and product information before use.) Avoid moisture penetration through cracks, joints, coarse pores, etc. Defects, pores, fine cracks, unevenness and rough areas of the concrete surfaces to be protected or repaired must be touched up using the Brillux Concrete Protection System. If the concrete surfaces are to be coated with a hydrophobic film without subsequent application of Concrete Acryl OS 859, the surface may be matt-moist, but there must not be a glossy water film. Also see VOB Part C, DIN 18349 and 18363 Section 3.

Notes

- Covering neighboring surfaces** Cover neighboring surfaces, e.g. plastic, glass and wood, as well as plants. Remove any impregnating agent splashes immediately with clean water.
- Do not apply on heated substrates** Do not apply in direct sunlight, on heated substrates, during extreme weather conditions such as strong wind, rain, etc. Take protection measures, if necessary.
- Processing directive** For a system build-up as a surface protection system, comply with processing directive OS 2 "Information on execution as per DIN 18026, Annex A" and the DAfStb directive.
- Further information** Follow the instructions on the data sheets of the products used.

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website. Version II

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