

# BS 310

## Concrete finish, white

**quick-mix**  
A trademark of **sievert**



### Acrylate-based weather-resistant concrete protective paint

acc. EN 1504-2

- certified acc. ZTV-ING (OS-C), DAfStb Rili-SIB, EN 1504-2 and DIN V 18026 (OS4)
- colour: white (RAL 9010)
- spec. weight: approx. 1.4 kg/l



### APPLICATIONS

- for protecting new and repaired concrete surfaces
- as a surface protection for unnavigable areas on bridges and other concrete components
- can be processed on matt-damp and dry substrates
- in the splashing and spraying water area of bridges and tunnels
- as a post-treatment agent on fresh mortar and concrete surfaces
- for external use

### PROPERTIES

- solvent-free
- silk matt
- saponification resistant
- abrasion-resistant paint-on film with good water vapour permeability
- high CO<sub>2</sub> diffusion resistance
- frost and de-icing salt-resistant
- protects against environmental influences
- crack-bridging on hairline cracks up to 0.1 mm
- brushable, rollable and airless sprayable

### SUBSTRATE

<b>Suitable substrates</b>	■ new and repaired concrete surfaces
<b>Properties/tests</b>	■ The substrate must be load-bearing, matt-damp or dry, grease-free, clean and free of sanding elements.
<b>Pretreatment</b>	■ Deep rough areas and flaws must be levelled with quick-mix BS 230 concrete filler, fine, and smoothed off. Before applying quick-mix BS 310 concrete finish, a drying time of at least 24 hours is to be adhered to. The surface should be matt damp.

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### PROCESSING

<b>Temperature</b>	<ul style="list-style-type: none"><li>■ Do not use or allow to dry in air or substrate temperatures of less than +8°C, in the case of expected night time frost or at temperatures of over +35°C, in direct sunlight, and/or in strong wind.</li><li>■ Make sure that no condensation builds up on the surface during processing/drying.</li></ul>
<b>Mixing / Preparation / Processing</b>	<ul style="list-style-type: none"><li>■ Stir product well before use.</li><li>■ Depending on the absorbency of the substrate, the first coat is diluted with maximum 3% clean tap water. The second coat is applied undiluted.</li></ul>
<b>Applying</b>	<ul style="list-style-type: none"><li>■ The paint is applied with a paint roller, paint brush or spray gun. For airless spraying use a nozzle with a diameter of 0.018-0.021 inches and clean the filter regularly.</li></ul>
<b>Drying / Hardening</b>	<ul style="list-style-type: none"><li>■ At +20°C, a minimum drying time of 24 hours is to be maintained between the first and second cover coat.</li><li>■ Low temperatures and/or high humidity will delay drying, while high temperatures and/or low humidity accelerate it.</li><li>■ The coat thickness of the dried off paint must be at least 120 µm and maximum 360 µm.</li></ul>
<b>Cleaning the tools</b>	<ul style="list-style-type: none"><li>■ Clean all tools and equipment with water immediately after use.</li></ul>
<b>Notes</b>	<ul style="list-style-type: none"><li>■ Only use the system components tested in the concrete repair system that have been matched with each other: BS 215 corrosion protection and bonding bridge; BS 225 repair mortar, coarse; BS 230 concrete filler, fine; BS 310 concrete finish, white</li></ul>

### PACKAGING

- 18 kg/bucket

### STORAGE

- Store in the original, unopened packaging in dry, frost-free conditions.

### QUANTITY REQUIRED / YIELD

- consumption: approx. 180 g/m<sup>2</sup> per application

### TECHNICAL DATA

<b>Processing temperature</b>	+8°C to +35°C
<b>Solids content</b>	approx. 47 % by weight
<b>Density, liquid</b>	approx. 1.4 kg/l
<b>Layer thickness</b>	120 µm – 360 µm
<b>Diffusion-equivalent air layer thickness (S<sub>D-value</sub>)</b>	(at 120 µm dry film thickness) approx.0.66
<b>CO<sub>2</sub>-permeability</b>	approx. 276 m (at 120 µm dry film thickness)
<b>Adhesive tensile strength on filler substrate</b>	approx. 1.3 N/mm <sup>2</sup>
<b>Colour</b>	white (RAL 9010)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

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## SAFETY AND DISPOSAL INSTRUCTIONS

- Disposal**
- Completely empty and recycle the packaging.
  - Dispose of the material in accordance with the official regulations.

## GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.