

# BPB<sup>®</sup> IMP CONSTRUCT (H)

Reactive colour-neutral water-repellent impregnation, tested and certified according to TL/TP OS-A of ZTV SIB 90 and EN 1504-2

## Consumers

Product No.: 340639000 ! ATTENTION: NEW PRODUCT NUMBER FROM 2024 !

Product No. until 2023: 349010034

## Product Information:

### Properties:

- solvent-free, silane-based
- very high alkali resistance
- very high penetrating power
- seals capillary cracks up to 0.3 mm
- high active substance content: technical purity = 98 %
- alkali- and frost resistant
- water-vapour permeable

### Application:

long-term protection of concrete as well as water-repellency under protection systems

The impregnation causes a drastic reduction in the water and chloride absorption of the substrate and thus increases the service life of the building material. The impregnation is applied to the hardened concrete. If a top layer is to be applied, a reaction time of 5 days must be awaited.

The impregnation can also be applied to older carbonised concrete. Older concrete buildings have different degrees of degradation. We therefore recommend to determine the required quantity by a trial application.

The impregnated concrete products are load bearing after 2 hrs. The complete impregnation effect forms within 14 days due to the high penetration power.

Tested and certified according to TL/TP OS-A of ZTV SIB 90 and EN 1504-2; applicable as OS 1 system. Can be used according to the principles 1, 2, 5 and 6 of EN 1504-9.

The surface must be cured, clean and free of oil, grease or other residues. Slightly damp surfaces are suitable, too, however, the maximum penetration depth can only be achieved on dry surfaces.

The product is delivered ready for use and does not need to be diluted any further.

Industrially, larger areas can be treated with a low pressure spray gun and appropriate suction; otherwise the subsoil will be fully flooded.

The application is carried out from bottom to top on vertical surfaces; a 15 to 20 cm long, reflective drain curtain should be visible.

Apply to smaller areas with a brush or roller, repeating the process until the surface remains moist for a few minutes.

To assess the final effect a testing site on the surface which is representative for the final application is imperative.

### Quantities to use:

200 - 500 ml/m<sup>2</sup>

The specified quantities are approximate values because the actual applied quantity does not only depend on the surface structure, but also on the absorbency of the surface.

Direct sunlight, the generation of dust must be avoided during processing. Do not apply if rain is forecast within the next 4 hours. Processing temperature (product and substrate): between +5 °C and +35 °C.

**Please note:**

Plants and bushes as well as surfaces and materials which are not treated, have to be protected carefully. Detach and remove splashes immediately with lot of water.

**Specifications:**

Appearance: liquid  
Colour: colourless  
Density:  $0.88 \pm 0.03$  g/ml  
Flash point: 63 °C  
Technical purity: 98 %

**Storage:**

Under normal storage conditions (closed container, 20 °C) minimum shelf-life 12 months  
Store dry and frost-free. Protect from moisture.  
Store at temperatures from - 10 °C to max. 40 °C.

**Packaging:**

Container 1000 l, Drum 200 l, Can 20 l or 5 l, Bottle 1 l  
Other delivery quantities on request

**Safety Rules:**

See EC safety data sheet.

The product should only be used with suitable protective gloves (EN 374) and safety goggles (EN 166).

When in use, ensure good ventilation (5 to 15 air changes per hour) or use exhaust ventilation.  
Industrial spraying: Do not inhale spray mist!

**Assistance:**

Please contact our Technical Application Centre.

**Industrial use:**

Daily amount: 250 kg/day  
50 tonnes per year  
Recommended frequency and duration of use:  
<480 minutes/day  
200 days/year  
4 - 5 days per week

**Commercial use:**

Daily amount: 1.4 kg/day  
500 kg per year  
Recommended frequency and duration of use:  
> 240 minutes/day  
365 days/year  
<5 days per week

**Consumers:**

Mixing, filling, filling and decanting:  
45 sec/2 - 104 days per year  
Apply by rolling or brushing:  
120 min/1 day per year  
Application by injection techniques:  
170 min/1 day per year  
20 minutes/ 3 days per year

**Environmental Exposure:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or the sewage system.