

BPB® HYDROSTOP VS Concentrate (DM)

Hydrophobic concrete plasticizer according to EN 934-2:T9

Industrial use

Product No.: 299010015

Product Information:

Sustainability Assessment:

Reducing the water-cement ratio and increasing the durability of the concrete

Properties:

- special combination of active substances
- high impermeability
- low-capillary structure
- reduces efflorescence and organic growth
- improves the frost resistance
- does not impair the water vapour permeability

Application:

for the production of paving stones, concrete roof tiles, concrete slabs (pressed/cast), sewage pipes and manholes, dry wall systems, concrete of higher consistency as e. g. exposed concrete elements.

As a water-repellent concrete liquefier for building materials that contain mineral binders, the additive is economical to use and easy to use and process.

Efficiently lowering the clinker factor makes it possible to reduce CO₂ emissions.

A reduction in the clinker factor in cement from 0.73 to 0.5 means a reduction of > 200 kg/CO₂ per tonne of cement (calculation basis = approx. 750 kg to 800 kg CO₂ per tonne of clinker).

Is added together with the aggregates or, if the aggregates are highly absorbent, to the finished concrete mix.

In the case of very dry or highly absorbent aggregates, the addition is made with the mixing water.

The full water-repellent effect is available when the products have completely reacted.

Do not use to manufacture elements that are intended for applications under permanent hydrostatic pressure (e.g. underwater applications).

The required mixing time after addition depends on the mixer and must be sufficiently measured. Unnecessarily long mixing times should be avoided as the effectiveness of the additive is reduced.

Dosage:

0.5 - 2.0 wt.% of the binding agent content

The consumption depends on the desired effect, on the type of cement and type of concrete.

We give application-technical recommendations for this. Give us a call!

Prior to use, a suitability test according to EN 206-1 or any applicable standards or norms relevant in your country is required. If used together with other concrete admixtures, a compatibility test is imperative.

Specifications:

Appearance:	liquid
Colour:	white
Density:	0.99 ± 0.02 g/ml

Storage:

Under normal storage conditions (closed container, 20 °C) minimum shelf-life 12 months

Protect from frost, moisture, solar radiation and dirt.

The storage temperature must not exceed 35 °C. Stir before use.

Close container tightly!

Packaging:

Containers 1000 l, Drum 200 l, Canisters 20 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 used, ensure good ventilation (5 to 15 air exchange per hour).

Assistance:

Please contact our Technical Application Centre.

Industrial use:

Recommended frequency and duration of use:

480 minutes/day

200 days/year

Environmental Exposure:

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