

BPB[®] Hydroplus

Efflorescence Reducing Agent for Coloured and Grey Concrete Products

Industrial use

Product No.: 200025000 ! ATTENTION: NEW PRODUCT NUMBER FROM 2024 !

Product No. until 2023: 209020005

Product Information:

Sustainability Assessment:

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

Properties:

- reducing the efflorescence tendency and the water penetration
- improved homogeneity
- improved pre-compaction
- excellent green bond
- good early strength
- more brilliant colours due to improved mixing processing

Application:

for face concrete and one-layer concrete products

The plasticizing effect has a positive influence on the compaction and processing of the fresh concrete. The additive creates a good side seal and visible streaking in colored and gray concrete products. The water-cement ratio can be increased without changing the consistency.

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).

The use of stabilizers can maximize CO₂ reduction in conjunction with highly effective superplasticizers. In this way, CO₂ emissions can be reduced by up to 25%.

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.

Spraying the admixture for easier and quicker distribution is recommended.

Dosage:

0.1 - 1.0 wt.% of the binding agent content

The quantity to use depends on the required effect, cement grade and type of concrete.

Please call us for technical advice.

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: 1.03 ± 0.02 g/ml

Storage:

Under normal storage conditions (closed container, 20 °C) minimum shelf-life 6 months

Protect from frost, direct sunlight and contamination.

Packaging:

Containers 1025 kg, Barrels 210 kg, Canisters 20 kg
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.