

# BPB<sup>®</sup> REDUCEM<sup>®</sup> S (BV)

Concrete plasticizer according to EN 934-2:T2

## Industrial use

Product No.: 239010010

## Product Information:

### Sustainability Assessment:

Reduction of the clinker factor in the cement

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

### Properties:

- for reducing the water/cement ratio
- increase of the early and final strength
- significantly more homogeneous and dense concrete surface

### Application:

admixture for the consistency classes F1 and F2

The additive is particularly suitable for the production of concrete slabs using the pouring method (with low slab heights of 1 - 3 cm) and for the production of concrete products to reduce cement or increase strength.

Efficiently lowering the clinker factor makes it possible to reduce CO<sub>2</sub> emissions.

A reduction in the clinker factor in cement from 0.73 to 0.5 means a reduction of > 200 kg/CO<sub>2</sub> per tonne of cement (calculation basis = approx. 750 kg to 800 kg CO<sub>2</sub> per tonne of clinker).

In precast factories, it is added to the mix in the compulsory mixer and on the construction site in the ready-mixed concrete mixer, as the liquefying effect only lasts for a limited time, taking into account the permissible dosage level.

It is added directly to the aggregates during the manufacture of concrete products. If possible, do not reduce the water dosage.

The additive acts as Concrete Plasticizer in the case of a lower amount added, and as Superplasticizer in the higher range.

### Dosage:

0.2 - 2.0 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:	brown
Density:	1.02 ± 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.

The storage temperature must not exceed 30 °C. If stored for > 2 months, stir before use.

### Packaging:

Containers 1000 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.