

REDUPHOB[®] XXL (BV)

High-performance plasticizer for reducing cement plus mass water repelling for concrete according to EN 934-2:T2

Industrial use

Product No.: 230022010

Product Information:

Sustainability Assessment:

Reduction of the clinker factor in the cement

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

EPD:

Concrete admixtures – Plasticisers and Superplasticisers

EPD-EFC-20210198-IBG1-EN

Properties:

- reduces efflorescence
- improves the strength at same cement ratio
- for reducing cement
- reduces the water absorption

Application:

admixture for the consistency classes F1, F2 and F3

precast concrete elements

body concrete

face concrete

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 life cycle assessment data and the other contents of the sample EPD can be used to assess the sustainability of buildings in which the product has been installed.

It is added simultaneously with the mixing water into the concrete mix or directly onto the dry mix.

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

The concrete must contain sufficient cement, fine sand and ultrafines.

Dosage:

0.3 - 0.9 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.

Specifications:

Appearance: liquid

Colour: beige

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.

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

Packaging:

Containers 1050 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.