

# REDUCEM<sup>®</sup> XXL (BV)

Concrete plasticizer according to EN 934-2:T2

## Industrial use

Product No.: 230020010 **! ATTENTION: NEW PRODUCT NUMBER FROM 2024 !**

Product No. until 2023: 239010012

## 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:

- for reducing cement
- easier workability of the concrete and more readiness to compact
- reduces efflorescence
- improved final compact strength

### Application:

coloured body concrete

coloured face concrete

admixture for the consistency classes F1 and F2

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).

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.

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 concrete must contain sufficient cement, fine sand and ultrafines.

### Dosage:

0.3 - 1.5 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: brown

Density: 1.03 ± 0.02 g/ml

### Storage:

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

Protect from frost, direct sunlight and contamination.

The storage temperature must not exceed 35 °C.

**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.