REMEI BPB GmbH & Co. KG
BETRA GmbH

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Reference: Superplasticizer

REBAflow 343 (FM)

High-performance special superplasticizer according to EN 934-2:T3.1/3.2
Industrial use
Product No.: 250017010

Product Information:

Properties:
– high-performance superplasticizer with high early and final strength
– for concrete with low water/cement ratio
– long workability time
– surfaces nearly free from air pores

Application:
admixture for the consistency classes F3 to F6
production of easily workable concrete and SCC

By using the additive, high-strength, low-energy concretes, SCCs and highly flowable cement suspensions and high-performance mortars can be produced. The liquefying effect is very high. The process of hydration begins early and the crystal needles that form do not grow into each other until very late. This extends the workability of the concrete while at the same time achieving high early strengths, as the w/c value can be greatly reduced.

Efficiently lowering the clinker factor makes it possible to reduce CO_2 emissions.

A reduction in the clinker factor in cement from 0.73 to 0.5 means a reduction of > 200 kg/CO_2 per tonne of cement (calculation basis = approx. 750 kg to 800 kg CO_2 per tonne of clinker).

Sustainability Assessment:
Reduction of the clinker factor in the cement
Reducing the water-cement ratio and increasing the durability of the concrete

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.

Processing:
The addition takes place as the last component. The mixing process must be continued until an even distribution of the additive has been achieved.

The required mixing time after the addition of the additive depends on the mixing energy introduced, whereby an after-mixing time of 45 - 60 seconds should not be undercut.

Particularly suitable for the production of flowstone concrete.

Specifications:

Appearance:	liquid
Colour:	yellowish to amber
Density:	1.05 ± 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 user should consider this information as our recommendation for the application of our products. Prior to use, we strongly recommend to conduct preliminary tests.

Packaging:
Containers 1000 kg, Barrels 200 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.

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