

BYK-1680

VOC-free, liquid defoamer for aqueous construction material applications, in particular in combination with concrete admixtures based on polycarboxylate ethers.

Product Data

VOC-free (< 1500 ppm) Composition

Polymer defoamer

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Active substance: 100 % Density (20 °C): 1.04 g/ml Flash point: > 150 °C pH value: 4-7

PH value.

Supplied as: transparent liquid

Miscibility: miscible in water and concrete plasticizers

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Turbidity may occur during storage or transportation at temperatures below 10 °C. The turbidity has no influence on the effectiveness of the product, and dissolves in aqueous formulations.

Applications

Construction chemicals

Special Features and Benefits

In particular, BYK-1680 is characterized by its good compatibility in aqueous construction material formulations.

- Very good miscibility and compatibility in water and in polymer solutions such as plasticizers and superplasticizers.
- No turbidity and phase separation
- Long-term stability, even at elevated storage temperatures
- Very good spontaneous and controlled long-term defoaming effect in concrete applications Improved flow behavior
- Post-addition to the end system possible without restrictions



BYK-1680

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Recommended Use

Particularly suitable for plasticizers that are primarily based on polycarboxylate ethers for use in

- ready-mix concrete,
- SCC,
- precast concrete elements and
- screeds.

Recommended Levels

0.025-0.5% additive (as supplied) based on the total formulation.

For use in concrete plasticizers based on polycarboxylate ethers, we recommend an initial dosage of 0.2 % as supplied based on the plasticizer.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

BYK-1680 mixes very well with water and can be added directly to the plasticizer as supplied or to the concrete formulation at any time.







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