

## QUELLMITTEL (ST)

Item No 0640

**Swelling concrete admixture acc. to EN 934-2 for producing expansive concrete**

### FIELDS OF APPLICATION

QUELLMITTEL (ST) is a powdery admixture for the production of expansive-cement concrete and mortar. These construction materials are e.g. suitable for void fillings, for refilling small holes like cracks and for foundation underpinnings.

### DOASAGE

Recommended dosage range 0.2 – 2.0 mass-% of the cement content;  
is equivalent to 2 – 20 g per kg cement.

### PROCESSING INDICATIONS

QUELLMITTEL (ST) should be added to the ready-mixed concrete.

This product is not classified as hazardous according to the EC directives, regulations on hazardous substances and forwarding instructions. The generally accepted precautions for handling chemicals must be followed. The corresponding Material Safety Data Sheet is available upon request.

### PACKAGING

- 1 kg bags packed in a 15 kg box

### WORKING PRINCIPLE

QUELLMITTEL (ST) entrains micro pores in the cement lime. This process allows concrete to expand its volume purposefully. The swelling performance enables a precisely fitting into the surrounding hollow environment.

### TECHNICAL DATA

Homogeneity	homogenous
Colour	light greyly
State	powder
Density	2.40 ± 0.1 g/cm <sup>3</sup>
pH-value*	8 ± 1
Chloride content	< 0.10 mass-%
Alkali content (Na <sub>2</sub> O equivalent)	< 1.0 mass-%
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging. Protect from frost, damp and insolation.

\* 10 % dissolved in water.

## REMARKS

---

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication are neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use.

This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

Edition: 11 September 2019

**SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!**