

ELEMENTAN classic (ST)

Item No 2025

Stabiliser for concrete acc. to EN 934-2 with plasticizing effects for semi-dry concrete

FIELDS OF APPLICATION

ELEMENTAN classic (ST) is used as a special admixture for optimising the frost- and freeze-thawing salt resistance of semi-dry concrete and is especially suitable for the production of high-quality manufactured concrete products.

ELEMENTAN classic (ST) improves concrete's resistance against wear and chemical attacks and makes therefore a contribution to durable and sustainable products.

DOSAGE

Recommended dosage range 0.2 – 0.6 mass-% of the cement content;
is equivalent to 2 – 6 ml per kg cement.

PROCESSING INDICATIONS

ELEMENTAN classic (ST) should be added either to the sand/gravel mix or to the tempering water.

This product is classified as hazardous according to the CLP regulations. See safety data sheet for further information.

PACKAGING

- 30 l can
- 200 l barrel
- 1000 l container

WORKING PRINCIPLE

ELEMENTAN classic (ST) improves the cement dispersion in concrete significantly. This property allows the formation of a homogenous and low-viscosity cement lime which ensures an exceptional workability and facilitates the compaction of concrete. ELEMENTAN classic (ST) achieves a denser concrete texture with closed surfaces.

Additionally ELEMENTAN classic (ST) increases the strength development and the colour brilliance of coloured concrete significantly.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	1.01 ± 0.02 g/cm ³
pH-value	8.0 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ 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 between +5 °C and +25 °C. Protect from frost and insolation.

REMARKS

The 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: 31 August 2020

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