

STABILISIERER LC

Stabiliser for lightweight concrete

Item No 0725/E

FIELDS OF APPLICATION

STABILISIERER LC is a stabiliser especially designed for the production of lightweight concrete and concrete manufactured with lightweight aggregates.

STABILISIERER LC decrease floating of particles and aggregates and keeps the concrete in homogenous condition. Since the special formulation stabilises the gain texture, the segregation tendencies in concrete can be greatly reduced.

Applying STABILISIERER LC increases concrete's water retention capacity and optimises its workability. STABILISIERER LC ensures an objective oriented production of concrete with a very soft consistency.

STABILISIERER LC is adjusted to the foam forming admixtures PANTAPOR CLC and PANTAPOR FA. When applying a foam forming admixture, the use of one of them is recommended.

DOSAGE

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

WORKING PRINCIPLE

STABILISIERER LC has a homogenising and plasticizing effect and improves the water retention capacity of mortar and concrete.

STABILISIERER LC confers a thixotropic effect on soft concrete in static condition. This effect is decreasing immediately after applying external forces. The flowing properties of concrete are only insignificantly influenced.

TECHNICAL DATA

Homogeneity	homogenous
Colour	yellowish
Chemical base	tenside
State	liquid
Density	1.00 ± 0.02 g/cm ³
pH-value	7 ± 1
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

PROCESSING INDICATIONS

STABILISIERER LC is either added to the sand/gravel mixture or to the pre-mixed concrete.

After STABILISIERER LC has been added a thorough mixing has to be ensured.

The mixing time must comply with the regulations defined in EN 206-1 and DIN EN 1045-2.

COMPATIBILITY

STABILISIERER LC is suitable for concrete designs containing OPC or SRC cement, micro silica or silica fume, fly ash (PFA) and ground granulated blast furnace slag (GGBS).

When using other admixtures in the same concrete mixture, the products should be added separately and must not be blended prior to addition! Using more than one admixture requires suitability and preliminary tests in order to ensure the required combination of its effects is attained.

PACKAGING

- 30 l can
- 200 l barrel
- 1000 l container
- loose by bulk supply

HEALTH & SAFETY

This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

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.

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