

CELVOLIT® LDM 6880

Item No. 0321

Organic concrete additive with DIBt approval ETA-10/0374

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FIELDS OF APPLICATION

CELVOLIT® LDM 6880 is an organic concrete additive especially designed for producing liquid-proof concretes having to meet the requirements of Germany's Federal Water Act (WHG) and the ordinance on facilities for handling substances hazardous to Water (VAwS).

CELVOLIT® LDM 6880 is able to increase concrete's impermeability towards aggressive substances and optimises its resistance against acids, saline solutions, fuel and similar water hazardous substances.

The aqueous copolymer dispersion is therefore particularly suitable for concrete applied in the following constructions:

- Petrol stations
- Filling areas
- Collecting basins
- Sewage pipelines
- Industrial production facilities

DOSAGE

Recommended dosage range 5 - 20 M.-% of the cement content, is equivalent to 50 – 200 ml per kg cement.

Include total quantity of CELVOLIT® LDM 6880 to water content when calculating w/c-ratio!

WORKING PRINCIPLE

CELVOLIT® LDM 6880 is able to increase concrete's impermeability towards aggressive substances.

The copolymer dispersion tends to liquefy cement-based mixtures thus enabling a reduction of the water/cement ratio or an increase of workability.

Furthermore, CELVOLIT® LDM 6880 can improve the compressive strength of cement-based building material.

CELVOLIT® LDM 6880 shows a good compatibility with hydraulic binders.

TECHNICAL DATA

Homogeneity	homogenous
Colour	white
State	liquid
Density	1.03 ± 0.02 g/cm ³
pH-value	8 ± 1
Chloride content	< 0.10 mass-%
Workability	from +1 °C
Shelf life	Approx. 6 months from date of production
Storage conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost, heat and insolation.

PROCESSING INDICATIONS

CELVOLIT® LDM 6880 is added to the pre-mixed concrete and needs to be stirred thoroughly.

The mixing time must comply with the regulations defined in EN 206-1.

This product is not 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

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 is 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!