

**High performance liquefier for ready-mix-concrete and the pre-assembled concrete unit industry**

**SK – III (BV) + (FM)**

Art. – No. 02.105.

**APPLICATION AREA:**

- For the production of concrete in the ready-mix-concrete, construction site concrete, and pre-assembled concrete unit sectors with high initial liquefaction depending on the type of cement chosen.
- For the production of high strength and self-compacting concrete.
- The application of SK-III (BV) + (FM) is used to improve the characteristics of unset and hardened concrete.

Applicable in low dosage range as plasticizer according to EN 934 – 2 table 2.

Applicable in high dosage range as super plasticizer according to EN 934 – 2 table 3.1/3.2.

**CHARACTERISTICS:**

SK – III (BV) + (FM) leads to steric shielding of the individual cement particles. This results in an even homogeneous dispersed cement paste with low internal frictional force.

SK – III (BV) + (FM) facilitates

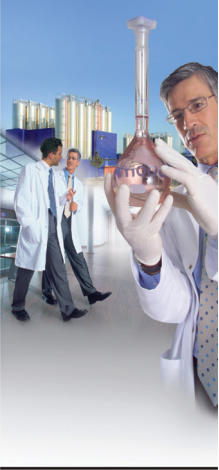
- a very high and long-lasting conservation of water and liquefaction.
- high initial and final strength.
- an improvement of the visible surfaces.

**TECHNICAL SPECIFICATIONS:**

Raw material base:	Polycarboxylathermal
Color:	brown
Form:	liquid
pH – value:	7,0 ± 1,0
Density (at 20 °C):	1.07 ± 0.02 g/cm <sup>3</sup>
Chlorine content	≤ 0.10 M-%
Alkali content:	≤ 8,5 M-% (as Na <sub>2</sub> O-equivalent)
Valid solids content:	32,0 – 35,4 M-%
Settling temperature:	over + 5 °C
Shelf life:	approx. 12 months
Storage:	do not expose to sunlight and frost during storage; protect against contamination



# TECHNICAL DATA SHEET



## DOSAGE:

Recommended dosage range: 0.2– 1.1 M-% of the cement weight.  
The required amount of additive is based on the concrete characteristics in demand and must be determined during an initial test in accordance with DIN EN 206-1.

## PROCESSING INFORMATION:

- The dosage of SK-III (BV) + (FM) should take place at the factory with the last third of the mixing water or after it is completely added.
- Any subsequent dosage in the mixing truck is only permissible with the same product.
- Make sure that sufficient mixing time is allocated at the factory. The same applies when dosing at the construction site.
- Please observe the standards outlined in DIN EN 206-1 and DIN 1045-2 when using concrete additives.

## VERIFICATION OF SUITABILITY / CERTIFICATION:

- complies with DIN EN 934 – 2 table 2: Plasticizer
- complies with DIN EN 934 – 2 table 3.1 and 3.2: super plasticizer
- complies with DIN V 18998
- applicable in concrete with alkali sensitive aggregate according to DIN V 20000-100, Section 8.2
- complies with the requirements of ZTV-ING
- certification number of the plasticizer: 0672 - CPD - 1107
- certification number of the super plasticizer: 0672 - CPD - 1108

## WORK SAFETY:

- not a hazardous material according to the ordinance on hazardous substances
- not a hazardous material in terms of the transportation guidelines
- WGK 1 (self classification) low hazardous to waters
- observe the safety data sheet

## FORM OF DELIVERY:

30 kg PVC can - gfn  
230 kg Poly drum gfn  
1050 kg Container net  
Tanker delivery upon request

## NOTE:

Always observe general work hygiene when using our products. The raw materials we process and the products we produce are subject to strict factory inspections. We reserve the right to make changes that signify a technical advance. All the information applies to the normal case scenario, and has been given to the best of our knowledge. We cannot be held legally liable as a result of the information included in this leaflet. It is stressed that our products and the procedure must be tested for suitability with your circumstances.

EFFECTIVE: 09/11

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