



## High-performance superplasticiser

### SK – 111 (BV) + (FM)

Art. – No. 02.214.

#### APPLICATION AREA:

- To produce concrete for the transport and construction site areas with a long-lasting fluidifying effect in dependence on the chosen cement. SK – 111 (BV) + (FM) is used to improve the properties of fresh and hardened concrete.
- Can be used in lower doses as a concrete superplasticiser in accordance with EN 934 – 2 table 2.
- Can be used in greater doses as a plasticizer in accordance with EN 934 – 2 table 3.1/3.2.

#### CHARACTERISTIC:

SK – 111 (BV) + (FM) brings about a steric shielding of the individual cement particles. This results in an even, homogenous dispersed cement paste that is low in internal frictional forces.

SK – 111 (BV) + (FM) enables

- an optimisation of the flowing properties whilst taking into consideration the cement used.
- a very high, cement-dependent water saving and / or liquefaction.
- high early and final strengths.
- an improvement in the exposed face.

#### TECHNICAL SPECIFICATIONS:

Basic raw materials:	Polycarboxylatether
Colour:	orange/brownish
Form:	liquid
pH value:	6,5 ± 1,0
Density (with 20 °C):	1,04 ± 0,02 g/cm <sup>3</sup>
Chloride content:	≤ 0,10 M-%
Alkali content:	≤ 8,5 M-% (as Na <sub>2</sub> O-equivalent)
Valid solids content:	19,0 – 21,0 M-%
Processing temperature:	above + 5 °C
Shelf life:	c. 12 months
Storage:	Store away from direct sunlight and frost. Protect from impurities.

# TECHNICAL DATA SHEET

## DOSAGE:

Recommended dosage: 0,2 – 1,8 M-% of the cement weight.  
The necessary quantity of additive is based on the required concrete properties and must be established based on an initial test in accordance with DIN EN 206-1.

## PROCESSING INFORMATION:

- The dosage of SK – 111 (BV) + (FM) should take place in the plant with the last third or after the complete addition of the mixing water.
- A possible later dosage in the transit mixer is only permitted with the same product.
- Ensure sufficient mixing time, both in the plant as well as when dosing at the construction site.
- When using concrete additives the requirements in accordance with DIN EN 206-1 and DIN 1045-2 must be observed.

## VERIFICATION OF SUITABILITY / CERTIFICATION:

- Corresponds to DIN EN 934 – 2 table 2: Concrete superplasticiser
- Corresponds to DIN EN 934 – 2 table 3.1: and 3.2: Plasticizer
- Corresponds to DIN V 18998
- Can be used in concrete with an alkali-sensitive aggregate in accordance with DIN V 20000-100, section 8.2
- Corresponds to the requirements of the ZTV-ING
- Number of certification for concrete superplasticiser: 0672 – BPR – I 11.01.2
- Number of certification for plasticizer: 0672 – BPR – I 11.08.3

## WORK SAFETY:

- Not a hazardous substance as defined by the ordinance on hazardous substances
- Not hazardous goods as defined by transport regulations
- WHC 1 (self assessment) little risk of pollution
- Please refer to the safety data sheet

## FORM OF DELIVERY:

30 kg PVC can - gfn  
220 kg Poly drum gfn  
1000 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: 07/11

PRODUKTE FÜR  
BETON UND BAU