



Super plasticizer for the ready-mix concrete industry

SK – I (FM)

Art. – No. 02.100.

APPLICATION AREA:

- For the production of flow concrete in ready-mix-concrete and construction site concrete during warm weather with early and high strength characteristics.
- The application of SK-I (FM) is used to improve the characteristics of unset and hardened concrete.

CHARACTERISTICS:

SK – I (FM) causes an improved breakdown of the cement matrix by reducing the surface tension of the mixing water. This results in an even homogeneous dispersed cement paste with low internal frictional force which leads to a substantial improvement in settling and the ability of the concrete to densify.

SK – I (FM) facilitates

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

TECHNICAL SPECIFICATIONS:

Raw material base:	naphtalinesulfone
Color:	brown
Form:	liquid
pH – value:	6,5
Density (at 20 °C):	1.10 ± 0.02 g/cm ³
Chlorine content:	≤ 0.10 M-%
Alkali content:	≤ 8.5 M-% (as Na ₂ O-equivalent)
Valid solids content:	22,2 – 24,6 M-%
Settling temperature:	over + 5 °C
Shelf life:	approx. 12 months
Storage:	do not expose to sunlight and frost during storage; protect against contamination

DOSAGE:

Recommended dosage range: 0.2 – 1.8 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.



TECHNICAL DATA SHEET

PROCESSING INFORMATION:

- The dosage of SK-I (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 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 super plasticizer: 0672 – BPR – I 11.08.3

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:

35 kg PVC can - gfn
240 kg Poly drum gfn
1100 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