



Technical Data Sheet

BETOCRETE-F4 (FM)

Art.-No. 4 06702

Highly efficiency superplasticiser for ready-mix and precast concretes

Primary Uses:

BETOCRETE-F4 (FM) is a concentrated superplasticiser for low w/c concretes or where highly flowable mixes are required without affecting setting times.

Based on naphthalene sulphonate, BETOCRETE-F4 (FM) will result in better dispersion of cement agglomerates and optimal wetting of cement particles.

BETOCRETE-F4 (FM) is particularly suited for the production of ready mix and pre-cast concretes.

Advantages:

- Results in homogeneous mix and pumpability.
- Significant initial and final strength gains.
- Ability to highly reduce w/c ratios.
- No adverse effect on setting times.
- Does not entrain air.
- Easy finishing of surfaces – no stickiness.

Primary Properties:

Base:	naphthalene sulphonate
Colour:	dark brown
Form:	liquid
Density (+20° C):	1.20 g/cm ³
Processing temp.:	> +5° C

Compliance:

As superplasticiser according to DIN EN 934-2:T3.1&3.2 in preparation.

Dosage Range:

0.2 - 3.0 % by weight of cement.

The final dosage quantity depends, among others, on the reactivity of the cement and the concrete recipe. This must be determined by suitability trials.

In case of overdosing, consult our local agent or our technical office.

Suitability tests according to valid standards and norms should be carried out prior to usage.

Instructions for Use:

BETOCRETE-F4 (FM) should mainly be added to the ready mix as the last component. Sufficient final batching times shall be allowed. When dosed in truck mixers on the job site, a good dispersion must be cleared.

Guidance value for batching time: 1 minute per m³ of concrete (at least 5 minutes)

Suitability tests accord. to valid standards and norms should be carried out prior to usage.

Estimating & Supply:

IBCs	1.100 kg
drums	220 kg
cans	25 kg

Cleaning & Equipment Maintenance:

Regular water flushing of dispensing equipment will prolong service life and reduce breakdowns.

Use REINIT-BM on internal metal surfaces subject to contact with concrete in concrete mixers, batch plants and truck mixers regularly to prevent concrete crust formations. Use REINIT-R to remove hardened concrete crusts.

Storage & Shelf-life:

BETOCRETE-F4 (FM) has a shelf-life of 12 months when stored at +20° C in original, unopened containers, free from frost. Always re-cap to avoid dirt contamination.

Health & Safety:

Please adhere to the European Safety Data Sheet (MSDS)!