

Melflux[®] SELECT 5731 F

High-performance superplasticizer optimized for dry-mix mortar products based on calcium sulphoaluminate cement (CSA)

Characteristics / Chemistry

Melflux[®] SELECT 5731 F is a free-flowing, spray dried powder of modified polycarboxylic ether.

Fields of Application

Melflux[®] SELECT 5731 F is especially optimized for plastification and water reduction of dry-mix mortar products based on calcium sulphoaluminate cement (CSA).

Melflux[®] SELECT 5731 F provides very good fluidification, long workability and excellent development of early strength.

Fields of application are e.g.

- self-levelling underlayments (SLU)
- flowing floor screeds
- non-shrink grouts (machinery grouts)
- dry-mix concrete for road repair

Technical Data

Physical shape	powder
Appearance	characteristic, yellowish to brownish
Drying loss, [%]	max. 2.0
Bulk density, [kg/m³]	400 to 600
pH-value (20 °C), 20 % solution	6.5 to 8.5
Dosage recommendation, [%] in relation to weight of binder	0.05 to 1.00

Further Technical Data

Packaging	15 kg paper bags
Storage	to be stored in its unopened original packaging, store dry below 40 °C and protect from excessive heat; no double stacking of pallets , may cake when exposed to pressure and friction
Shelf life	1 year

Melflux® SELECT 5731 F is a superplasticizer based on latest polymer technology. These types of superplasticizers typically contain certain side chains based on polyethylene glycol. Due to raw material synthesis of the polyethylene glycol, the nature of radical polymerization and the composition, it is known that this technical product has some natural colour variations from nearly colourless to yellowish up to slightly brownish. However, these colour variations have no influence on the application performance of the product. It is not known that the product colour changes significantly over time under normal storage conditions.

Safety notes:

Classification and Labeling as self-heating cat. 2 (H252) is only required for containers $\geq 3 \text{ m}^3$. Comprehensive instructions are given in the corresponding Material Safety Data Sheets which are available on request.

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