

Melflux[®] SELECT 5691 F

High-performance superplasticizer optimized for binary dry-mix mortar products (HH rich with small amount of OPC)

Characteristics / Chemistry

Melflux[®] SELECT 5691 F is a free-flowing, spray dried powder of modified polycarboxylic ether.

Fields of Application

Melflux[®] SELECT 5691 F is especially optimized for plastification and water reduction of binary construction materials (based on α - or β -hemihydrate with small amount of ordinary Portland cement).

Melflux[®] SELECT 5691 F provides a long workability and an excellent development of early strength.

Fields of application are e.g.

- ➔ self-levelling underlayments – SLUs (binary, HH-rich/OPC)
- ➔ flowing floor screeds (binary, HH-rich/OPC)

Technical Data

Physical shape	powder
Appearance	characteristic slightly to intense pastello
Drying loss, [%]	max. 2.0
Bulk density, [kg/m³]	500 to 700
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 5691 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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Issue: January 2018

This technical note is valid until replaced by a new issue.

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