

Melflux[®] 0417 L/45 % N.D.

Raw material for high-performance superplasticizer formulations for concrete

Characteristics / Chemistry

Melflux[®] 0417 L/45 % N.D. is a superplasticizer based on modified polycarboxylic ether polymers. It is designed for use in high quality concrete applications.

The product does not contain a defoamer. In order to achieve optimum performance, we recommend using the product in combination with a suitable defoamer system.

Fields of Application

Melflux[®] 0417 L/45 % N.D. is especially optimized for plastification and water reduction of cement based materials, e.g.

→ raw material for concrete superplasticizer and plasticizer formulations

Technical Data

Physical shape	aqueous solution
Appearance	clear to turbid, slightly yellowish to brownish
Solids content, [w/w %]	44.0 to 46.0
Density, [g/cm³]	1.08 to 1.12
pH-value (20 °C)	5.0 to 8.0
Dosage recommendation, [%] in relation to weight of binder	0.20 to 1.00

Further Technical Data

Packaging	in bulk 1,100 kg container
Storage	to be stored in its unopened original packaging; please store dry at constant temperatures and protect from excessive heat; please stir thoroughly after longer storage periods; the product is prone to gas emission; please take care for a sufficient ventilation of storage and dosage facilities
Frost resistance	please thaw and homogenise frozen material thoroughly at +20 °C
Shelf life	1 year
Storage class	12 (non-flammable liquids)
Transport regulation	not known as a dangerous good according to transport regulations

Melflux® 0417 L/45 % N.D. is a solution with high solids content and if it is stored over a long period of time at lower temperatures we recommend dilution in order to improve pumpability

Melflux® 0417 L/45 % N.D. is a superplasticizer based on latest polycarboxylate ether technology. This type of superplasticizer typically contains certain polymer side chains based on polyethylene glycol. Due to technical 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 color variations from nearly colorless to yellowish up to slightly brownish. However, these color variations have no influence on the application performance of the product. It is not known that the product color changes significantly over time under normal storage conditions.

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Issue: September 2014

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