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Preliminary Technical Data Sheet

R+D Melflux® PLUS 1087 L/40%

High-performance superplasticizer for calcium sulphate-based compounds

Characteristics / Chemistry

R+D Melflux® PLUS 1087 L/40% is an aqueous solution of a comb polymer with phosphate groups.

Fields of Application

R+D Melflux® PLUS 1087 L/40% is especially optimized for plastification and water reduction of calcium sulphate based construction materials.

This product shows almost no retarding effect on setting process and is less sensitive to clay impurities.

Fields of application:

➔ gypsum panels

Technical Data

Physical shape	aqueous solution
Appearance	clear to slightly turbid, slightly yellowish to orange
Solids content [%]	38.0 to 42.0
Density (20 °C) [g/cm³]	1.06 to 1.16
pH-value (20 °C)	5.0 to 7.0
Dosage recommendation	0.12 to 0.80 % in relation of weight of binder 0.16 to 1.3 lbs per 1,000 sq. ft. (1/2” board) 8 to 70 g/m² (12.5mm board) Usage level depends on the rheological requirements, board formulation and on the gypsum characteristic

Further Technical Data

Packaging	1.105 kg Container
Storage	to be stored in its unopened original packaging, **store dry below 40 °C** and protect from excessive heat
Shelf life	1 year

R+D Melflux® PLUS 1087 L/40% is a superplasticizer based on latest polymer technology. These types of superplasticizers typically contain certain side chains based on polyether. Due to raw material synthesis of the polyether, the nature of 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 over time under normal storage conditions.

Safety notes:
Comprehensive instructions are given in the corresponding Material Safety Data Sheets which are available on request.

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

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