

# Melflux<sup>®</sup> PCE 541 L/44 % F.F.

*High-performance superplasticizer for calcium sulphate based compounds*

## Characteristics / Chemistry

**Melflux<sup>®</sup> PCE 541 L/44 % F.F.** is a new generation superplasticizer, based on modified polycarboxylic ether polymers. It is designed for use in high quality calcium sulphate based construction materials.

## Fields of Application

**Melflux<sup>®</sup> PCE 541 L/44 % F.F.** with high fluidification potential is mainly recommended as a cost efficient replacement of LS / BNS at maintained water / stucco ratio.

“Foam friendly” dispersant **Melflux<sup>®</sup> PCE 541 L/44 % F.F.** is especially designed for adjustment of pore structure in wallboards.

Fields of application are e.g.

→ gypsum panels

## Technical Data

<b>Physical shape</b>	aqueous solution
<b>Appearance</b>	slightly turbid to milky turbid, yellowish to brownish
<b>Solids content, [%]</b>	43.0 to 45.0
<b>Density (20 °C), [g/cm<sup>3</sup>]</b>	1.08 to 1.12
<b>pH-value (20 °C)</b>	6.5 to 8.5
<b>Dosage recommendation, [%]</b> in relation to weight of binder	0.05 to 1.20

## Further Technical Data

<b>Packaging</b>	in bulk 1,100 kg container
<b>Storage</b>	to be stored in its unopened original packaging, <b>store dry below 40 °C</b> and protect from excessive heat; please <b>stir thoroughly</b> after longer storage periods
<b>Materials</b>	materials such as polyethylene and stainless steel have proved suitable as storage tanks, packaging and seals; strong swelling may occur when plastic (PVC in particular) and rubber components are used as well as upon contact with the interior coatings of vessels. Testing of the resistance is therefore recommended
<b>Frost resistance</b>	withstands any number of freezing/thawing cycles, please thaw and homogenize frozen material thoroughly at 20 °C
<b>Shelf life</b>	1 year
<b>Storage class</b>	12 (non-combustible liquids)
<b>Transport regulation</b>	not known as a dangerous good according to transport regulations

### Safety notes:

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

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