OPTIGEL-CMO

Rheology additive based on an activated phyllosilicate for aqueous coating systems to generate thixotropic flow behavior.

Product Data

Composition
Activated phyllosilicate

Typical Properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Specific density:	2.6 g/cm³
Bulk density:	500-700 kg/m³
Moisture content:	max. 13 %
Supplied as:	free-flowing, cream-colored powder
pH value (2 % in H_2O):	10-11

Food Contact Legal Status
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation
OPTIGEL-CMO is hygroscopic and should be transported and stored dry in the unopened original container at temperatures between 0 °C (32 °F) and 30 °C (86 °F).

Applications

Coatings Industry

Special Features and Benefits
OPTIGEL-CMO generates thixotropic flow behavior. It improves processability and storage stability as it is highly effective at preventing solids settling. In addition, it reduces the sagging tendency after application which makes it possible to achieve greater layer thicknesses. OPTIGEL-CMO is inorganic and stable to diluted acids and bases.

Recommended Use
OPTIGEL-CMO is suitable for a variety of aqueous coating systems and particularly suitable for use in architectural coatings.

Architectural coatings	■

■ especially recommended □ recommended

Recommended Levels

0.1-3.0 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

OPTIGEL-CMO is hydrophilic and easy to incorporate in water. To ensure optimum distribution and the best possible effectiveness and reproducibility in applications, the additive must be added to water (20 °C ± 5 °C) (68 °F ± 41 °F) slowly whilst stirring, and pre-dispersed at high shear forces for at least 20 minutes. OPTIGEL-CMO should be fully hydrated before the remaining formulation components can be added to the dispersion. No wetting or dispersing additives are required to produce this dispersion. Ionic substances with potassium, calcium, magnesium or ammonium ions or acids should be added only after the additive has been fully dispersed.

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