

OPTIGEL-CK XR

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

Product data

Composition

Activated phyllosilicate

Typical properties

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

Bulk density: 550-750 kg/m³
 Water content: max. 13 %
 Delivery form: powder

Storage and transportation

Product shelf life in unopened original packaging: 24 months
 Moisture sensitive. Store dry.

Special note

Gamma-irradiation sterilized version of OPTIGEL-CK.

Applications

Coatings industry

Special features and benefits

- Creation of thixotropic flow behavior
- Improvement of
 - Storage stability by preventing the settling of solids
 - Processing properties
 - Sag resistance
- Higher film thicknesses possible
- Stable against diluted bases and common diluted acids

Recommended use

OPTIGEL-CK XR is suitable for a variety of aqueous coating systems, as well as for pigment concentrates.

Architectural coatings	☒
Floor 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. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

OPTIGEL-CK XR should be added to the millbase along with the pigments and fillers. This ensures the optimal activation, dispersion, and development of the desired thixotropic flow behavior. If post-addition is necessary, a pregel can be prepared prior to incorporation. Preparing a pregel helps ensure proper swelling and prevents insufficient activation and formation of lumps when adding the product later in the process.



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