

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
- Enables greater film thicknesses
- 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.



Your local
contact

BYK-Chemie GmbH

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
info@byk.com
www.byk.com



Download
our app:
byk.com/app

ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK®-DYNWET®, BYK-MAX®, BYK®-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAC®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, NANOBYPK®, OPTIBENT®, OPTIGEL®, PURABYK®, RECYCLOBYK®, RHEOBYK®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information contained herein is based on our current knowledge and experience. No warranties, guarantees and/or assurances of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. Any information about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. Contractual terms and conditions, in particular agreed product specifications, always take precedence. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. We reserve the right to make any changes and to update the information herein without notice.