

CERAFLOUR 1004

Biobased, micronized polymer with wax-like properties based on corn starch, for aqueous and solvent-based systems for matting and creating a soft-feel effect in the coating, with high transparency properties.

Product data

Composition

Micronized corn starch

VOC-free (< 1500 ppm)
BRC content: 100 %

Typical properties

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

Density (20 °C):	1.50 g/cm ³
Decomposition point:	Decomposes after approx. 10 min at 200 °C
Particle size distribution D50:	10 µm
Particle size distribution D90:	15 µm
Bio-based carbon content (ASTM D6866):	100 %
Delivery form:	Micropowder

Storage and transportation

Temperature sensitive. Do not store and transport above 50 °C. CERAFLOUR 1004 is biobased and therefore sensitive to microbial contamination when stored in open containers in a humid environment.

Special note

The product is a version of CERAFLOUR 1003 with finer particle size.

Applications

Coatings industry

Special features and benefits

CERAFLOUR 1004 has a matting effect and creates a strong soft-feel effect on the surface. The polymer exhibits high clarity and has no effect on viscosity. CERAFLOUR 1004 is bio-based and consists of 100 % renewable raw materials.

Recommended use

Wood and furniture coatings	<input type="checkbox"/>
Coil Coatings	<input type="checkbox"/>
Architectural coatings	<input type="checkbox"/>

■ especially recommended □ recommended

Recommended levels

1–5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The additive should preferably be incorporated into the coating at the end of the production process at medium to high shear rates. Aqueous slurries of CERAFLOUR 1004 that are not processed immediately must be protected against microbial contamination with suitable preservatives.



BYK-Chemie GmbH

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYPK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties 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. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.