

# CERAFLOUR 1004

Bio-based, micronized polysaccharide with wax-like properties 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 polysaccharide

VOC-free (< 1500 ppm)  
 From bio-based raw  
 materials

### 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 <sup>3</sup>
Decomposition point:	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

Product shelf life in unopened original packaging: 24 months

Temperature sensitive. To be stored and transported at a temperature below 50 °C.

### Special note

CERAFLOUR 1004 is biobased and therefore sensitive to microbial contamination when stored in open containers in a humid environment.

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.



Your local  
contact

**BYK-Chemie GmbH**

Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
[info@byk.com](mailto:info@byk.com)  
[www.byk.com](http://www.byk.com)



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