CERAFLOUR 1003

Biobased, micronized polymer with wax-like properties based on corn starch for aqueous and solvent-based systems for matting and maintaining high transparency.

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/cm³
Decomposition point:	Decomposes after approx. 10 min at 200 °C
Particle size distribution D50:	13 µm
Particle size distribution D90:	19 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 1003 is biobased and therefore sensitive to microbial contamination when stored in open containers in a humid environment.

Applications

Coatings industry

Special features and benefits
CERAFLOUR 1003 has a matting effect and forms a texture effect on the surface. The polymer nevertheless retains its excellent clarity. It has no effect on viscosity and has a particularly matting effect in solvent-based systems. CERAFLOUR 1003 is bio-based and consists of 100 % renewable raw materials.

Recommended use

Wood and furniture coatings	■
Architectural coatings	■

■ 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 1003 that are not processed immediately must be protected against microbial contamination with suitable preservatives.

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