CERAFLOUR 1000

Biodegradable, micronized polymer with wax-like properties based on renewable raw materials for aqueous, solvent-borne, solvent-free, and UV systems for matting and improving the surface protection and soft feel effect.

Product Data

Composition
Polyester

VOC-free (< 1500 ppm)
BRC content: > 97 %

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

Density (20 °C):	1.25 g/cm³
Melting point:	175 °C
Particle size distribution (laser diffraction, volume distribution):	D50: 5 µm, D90: 11 µm
Supplied as:	Micropowder
Proportion of biorenewable carbon (BRC) in the total organic carbon content (ASTM D6866-20 method B (AMS)):	> 97 %

Storage and Transportation
Temperature sensitive. To be stored and transported at a temperature below 50 °C. CERAFLOUR 1000 is readily biodegradable and is therefore sensitive to microbial infestation if stored in open containers in a damp environment.

Applications

Coatings Industry

Special Features and Benefits
CERAFLOUR 1000 enhances scratch resistance and improves the anti-blocking properties and soft feel effect. The additive has a matting effect, especially in radiation curable systems, and produces transparent coatings. It has no effect on the viscosity and surface slip, and does not cause foam stabilization. CERAFLOUR 1000 is readily biodegradable and is composed of > 97 % renewable raw materials.

Recommended Use
The additive is recommended for aqueous, solvent-borne, solvent-free, and UV systems.

Architectural coatings	■
General industrial coatings	■
Wood and furniture coatings	■

■ especially recommended □ recommended

Recommended Levels
1-10 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions
The additive should preferably be post-added to the coating using a low shear rate. Aqueous slurries of CERAFLOUR 1000 that will not be processed immediately must have a suitable preservative added so as to protect against microbial infestation.

Printing Inks

Special Features and Benefits
CERAFLOUR 1000 has a matting effect on aqueous and solvent-borne printing inks, overprint varnishes, and radiation curable systems, while simultaneously ensuring high transparency. The additive provides an excellent soft feel effect.

Recommended Levels
1-5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions
The additive should preferably be incorporated into the printing ink or overprint varnish at a medium shear rate at the end of the production process.

Paper Coatings

Special Features and Benefits
CERAFLOUR 1000 improves the anti-blocking properties and soft feel effect. The additive has a matting effect and has only a minor effect on transparency and viscosity. CERAFLOUR 1000 has no effect on foam stabilization.

Recommended Levels
1-10 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions
The additive should preferably be incorporated into the coating at a low shear rate before adding the thickeners. Aqueous slurries of CERAFLOUR 1000 that will not be processed immediately must have a suitable preservative added so as to protect against microbial infestation. The slurry should be stirred thoroughly before use.

Leather Coatings

Special Features and Benefits

CERAFLOUR 1000 enhances scratch resistance and improves the anti-blocking properties and soft feel effect. The additive has a matting effect and produces highly transparent coatings. It has no effect on the viscosity and surface slip, and does not cause foam stabilization. CERAFLOUR 1000 is readily biodegradable and is composed of > 97 % renewable raw materials.

Recommended Levels

1-10 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive should preferably be post-added to the coating using a low shear rate. Aqueous slurries of CERAFLOUR 1000 that will not be processed immediately must have a suitable preservative added so as to protect against microbial infestation.

CERAFLOUR 1000

Data Sheet
Issue 08/2021

BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com