

# CERAFLOUR 1000

Biodegradable, micronized polymer with wax-like properties based on renewable raw materials for aqueous, solvent-borne and solvent-free systems for matting and improving surface protection and haptics (soft feel effect). Good matting, especially also in radiation curable systems.

## Product Data

### Composition

Micronized, modified organic polymer

### Typical Properties

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

Density:	10.43 lbs/US gal
Melting point:	347 °F
Particle size distribution (laser diffraction, volume distribution):	D50: 5 µm      D90: 11 µm
Supplied as:	Micropowder

VOC-free (< 1500 ppm)

Percentage of renewable  
raw materials: 100 %

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Storage and Transportation

Temperature sensitive. To be stored and transported at a temperature below 50 °C (122 °F). CERAFLOUR 1000 is readily biodegradable and is therefore sensitive to microbial attack if stored in open containers in a humid environment.

## Applications

### Coatings Industry

#### Special Features and Benefits

CERAFLOUR 1000 enhances scratch resistance and improves anti-blocking properties and haptics (soft feel effect). The additive has a matting effect, especially in radiation curable systems, and produces highly transparent coatings. It has no effect on viscosity and surface slip and does not have a foam stabilizing effect. CERAFLOUR 1000 is readily biodegradable and is composed of 100 % renewable raw materials.

## CERAFLOUR 1000

Data Sheet  
Issue 02/2014

### Recommended Use

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

Architectural coatings	■
Industrial coatings	■
Wood and furniture coatings	■
Leather coatings	■

■ especially recommended

### Recommended Levels

1-10 % additive (as supplied) based upon 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 using a low shear rate. Aqueous slurries of CERAFLOUR 1000, which cannot be processed immediately, should be provided with a suitable preservative so as to avoid microbial attack.



Additive Guide



**BYK USA Inc.**  
524 South Cherry Street  
P.O. Box 5670  
Wallingford, CT 06492  
USA  
Tel 203 265-2086  
Fax 203 284-9158

[cs.usa@byk.com](mailto:cs.usa@byk.com)  
[www.byk.com/additives](http://www.byk.com/additives)

ACTAL®, ADJUST®, ADVITROL®, ALUFERSOL®, ANTI-TERRA®, BENTOLITE®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CLAYTONE®, CLOISITE®, COPISIL®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, FULGEL®, FULMONT®, GARAMITE®, GELWHITE®, LACTIMON®, LAPONITE®, MINERAL COLLOID®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PAPERBYK®, PERMONT®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, SILBYK®, TIXOGEL®, VISCOBYK®, Y-25®, and Greenability® are registered trademarks of BYK-Chemie. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra. The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents. This issue replaces all previous versions – Printed in the USA