

# CERAFLOUR 950

Micronized wax based on modified HDPE for solvent-borne and solvent-free coatings and printing inks as well as powder coatings to improve the scratch resistance, soft-feel effect and matting. The additive is particularly suitable for radiation-curable formulations.

## Product Data

### Composition

Micronized, modified HD polyethylene wax

### Typical Properties

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

Density (20 °C):	0.95 g/ml	
Melting point:	135 °C	
Particle size distribution (laser diffraction, volume distribution):	D50: 9 µm	D90: 15 µm
Supplied as:	Micropowder	

### 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.

## Applications

### Liquid Coatings

#### Special Features and Benefits

The additive improves scratch resistance, creates a soft feel effect and has a matting effect. Main application area – solvent-free, radiation-curable coating systems.

#### Recommended Levels

1-10 % additive (as supplied) based on the total formulation, depending on the desired gloss level.

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 is preferably incorporated into the coating at the end of the production process at a moderate shear rate.

### Printing Inks and Overprint Varnishes

#### Special Features and Benefits

The additive increases surface slip and improves abrasion resistance in solvent-free, radiation-curable printing inks and overprint varnishes.

#### Recommended Levels

0.1-0.3 % 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 is preferably incorporated into the coating at the end of the production process at a moderate shear rate.

### Powder Coatings

#### Special Features and Benefits

The additive is recommended for matting powder coatings and it also improves surface protection.

#### Recommended Use

CERAFLOUR 950 is recommended for powder coatings based on polyester, polyester/epoxide, acrylate, polyurethane and epoxides.

#### Recommended Levels

0.5-2 % 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

CERAFLOUR 950 should be mixed with resin, hardener, pigments and other additives using a high-speed mixer and extruded along with all components.



Additive Guide



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