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 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.

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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.

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