

CERAFLOUR 920

Micronized organic polymer for solvent-borne and aqueous coatings and printing inks for matting. In UV-curable powder coatings it improves surface hardness and has a matting effect.

Product Data

Composition

Urea-aldehyde resin

Typical Properties

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

Density: 1.47 g/cm³
Particle size distribution (laser diffraction, volume distribution): D50: 5 µm D90: 16 µm
Supplied as: Micropowder

Storage and Transportation

Temperature sensitive. To be stored and transported at a temperature below 50 °C.

Special Note

CERAFLOUR 920 can react with some binders, e.g. moisture-curing polyurethanes.

Applications

Coatings and Printing Inks

Special Features and Benefits

The additive has a matting effect and simultaneously improves scratch resistance, metal marking resistance and sandability. It is recommended for solvent-borne and aqueous systems.

Recommended Use

Architectural coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Coil coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Protective coatings	<input checked="" type="checkbox"/>
Leather coatings	<input type="checkbox"/>
Printing Inks and Overprint Varnishes	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

0.5-10 % additive (as supplied) based on the total formulation, depending on the desired degree of gloss.

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 UV powder coatings and it also improves surface hardness and therefore surface protection.

Recommended Use

CERAFLOUR 920 is recommended for all UV-curable powder coatings. The matting effect can be reinforced in combination with CERAFLOUR 950.

Recommended Levels

2-8 % additive (as supplied) based on the total formulation, depending on the desired degree of gloss.

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



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This issue replaces all previous versions.