CERAFLOUR 1001 N

Micronized polymer with wax-like properties based on renewable raw materials for aqueous, solvent-borne, solvent-free, and UV systems for matting and improving surface protection while maintaining optimal transparency. Creates a soft feel effect.

Product data

Composition
Micronized polyester

VOC-free (< 1500 ppm)

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 (wax content):	175 °C
Particle size distribution D50:	3 µm
Particle size distribution D90:	7 µm
Bio-based carbon content (ASTM D6866):	97 %
Delivery form:	micropowder

Storage and transportation
Product shelf life in unopened original packaging: 24 months
Temperature sensitive. To be stored and transported at a temperature below 50 °C.

Applications

Coatings industry

Special features and benefits
CERAFLOUR 1001 N enhances scratch resistance and creates a soft feel effect. The additive has a matting effect, especially in radiation curable systems, and produces highly transparent coatings due to its fine particle size distribution. It has no effect on the viscosity and surface slip and does not cause foam stabilization. CERAFLOUR 1001 N is composed of 97 % renewable raw materials.

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

Wood and furniture coatings	■
General industrial coatings	■
Can coatings	■
Architectural coatings	☐
Floor 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. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
The additive should preferably be post-added to the coating using a low shear rate. Aqueous slurries of CERAFLOUR 1001 N 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 1001 N 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 a soft feel effect and can also increase the coefficient of friction when used in high doses.

Recommended use

Printing inks	■
Overprint varnishes	■

■ Especially recommended ▢ Recommended

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

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

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.

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