

CERATIX 8566 N

Aromatic-free wax dispersion for solvent-borne effect coating systems based on an EVA copolymer to improve the orientation of effect pigments.

Product data

Composition

Ethylene-vinyl-acetate (EVA) copolymer wax dispersion

Aromatic-free

Typical properties

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

Non-volatile matter (60 min, 105 °C):	4.7 %
Solvent:	butylacetate/n-butanol 8/1
Melting point (wax content):	105 °C
Flash point:	27 °C
Viscosity (20 °C):	10 mPa·s
Delivery form:	dispersion

Storage and transportation

Temperature sensitive. To be stored and transported at a temperature below 35 °C. Stir before use.

Special note

Test method seeding:

The wax additive is homogenized with a dissolver for 5 min at 4 m/s, then diluted with 20 % n-butylacetate and stirred for a further 2 min at about 4 m/s. A draw down is then made on a glass panel with a 100 µm doctor blade. The result must be clear and free from seeds during drying.

Test method particle size measurement with a grindometer according to ISO 1524:

The wax additive is homogenized with a dissolver for 5 min at 4 m/s. A draw down is then made on a 50 µm grindometer. Result: 20 µm particle size.

Applications

Coatings industry

Special features and benefits

The aromatic-free additive improves the orientation of effect pigments (aluminum, mica etc.), reduces large-scale clouding and minimizes short-wave defects (mottling, Bénard cells). It enhances the flip-flop effect and improves the leveling of the subsequent clear coating. Due to the special rheological properties of CERATIX 8566 N, it also reduces the settling of the effect pigments in the container and in the circulation pipe.

Recommended use

The additive is recommended for all solvent-borne base coats and one-coat top coats with effect pigments.

Automotive OEM coatings	■
Automotive refinish coatings	■
General industrial coatings	□

■ especially recommended □ recommended

Recommended levels

40–70 % additive (as supplied) based on a solid binder.

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 wax additive must be homogenized with a dissolver (4 m/s) prior to use and then added to the binder solution under agitation. In systems with CAB, the CAB solution must first be incorporated homogeneously in the binder solution at high shear forces (> 5 m/s) before the stirred wax additive, the effect pigment slurry and the solvents can be added under agitation.

Special note

CERATIX 8561 and CERATIX 8563 are two other wax additives which are very similar to CERATIX 8566 and CERATIX 8566 N. CERATIX 8563 is more polar than the other two, and CERATIX 8566 and CERATIX 8566 N are aromatic-free. Choosing the most suitable CERATIX type depends on the polarity of the base coat and of the clear coat. The choice can be determined by carrying out comparative testing.



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