

CERAFAK 110 N

Wax dispersion on the basis of an EVA copolymer wax for solvent-borne effect coating systems, especially for automotive coating. Improves the orientation of effect pigments and reduces settling in the container. Aromatic-free variant of CERAFAK 106.

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, 125 °C):	6 %
Carrier:	15/1 butylacetate/n-butanol
Melting point (wax content):	105 °C
Particle size (Hegman):	20 µm
Viscosity (23 °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-butyl acetate 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 during the drying and free from seeds.

Test method particle size measurement with a grind-gauge 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 fineness of grind.

Applications

Coatings industry

Special features and benefits

The additive improves the orientation of effect pigments (e.g. aluminum, mica) and enhances the flip-flop effect. Short wave defects (mottling, Bénard cells) are minimized and clear coat leveling is improved. Settling in the container is also reduced.

Recommended use

CERAFAK 110 is recommended for solvent-borne base coats and one coat metallic top coats for automotive coating and for the area of industrial coatings. Due to the solvent combination, it is particularly suitable for aromatic-free formulations.

Automotive OEM coatings	<input checked="" type="checkbox"/>
Automotive refinish coatings	<input checked="" type="checkbox"/>
General industrial coatings	<input type="checkbox"/>

especially recommended recommended

Recommended levels

50 % additive (as supplied) based upon the 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 whilst stirring. 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.



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