

CERAFAK 106

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

Product data

Composition

Dispersion based on ethylene-vinyl-acetate copolymer wax

Typical properties

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

Non-volatile matter:	6 %
Carrier:	xylene/butylacetate/n-butanol 7/8/1
Melting point (wax content):	105 °C
Particle size (Hegman):	20 µm
Viscosity:	10 mPa·s

Storage and transportation

Product shelf life in unopened original packaging: 15 months

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 resulting film 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 grind-gauge. Result: 20 µm particle size.

Applications

Coatings industry

Special features and benefits

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

Recommended use

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

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

especially recommended recommended

Recommended levels

50 % additive (as supplied) based on 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 before use with a dissolver (4 m/s) 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.



Your local
contact

BYK-Chemie GmbH

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
info@byk.com
www.byk.com



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byk.com/app

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