CERAFAK 110

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 copolymer wax dispersion (EVA)

Aromatic-free

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

Non-volatile matter:	6 %
Carrier:	Butylacetate/n-butanol 15/1
Melting point (wax content):	100 °C
Particle size (Hegman):	20 µm
Viscosity (23 °C):	10 mPa·s

Food Contact Legal Status
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

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.

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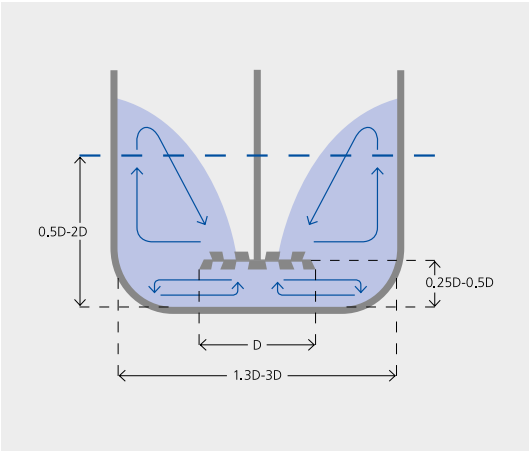
Recommended Use
CERAFAK 110 is recommended for solvent-borne base coats and one coat metallic top coats for automotive coating and for the area of industrial coatings. Due to the solvent combination, it is particularly suitable for aromatic-free formulations.

Recommended Levels
50 % additive (as supplied) based upon the solid binder.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

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.



Additive Guide

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