CERAFAK 100

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

Product Data

Composition
Ethylene vinyl acetate copolymer wax dispersion (EVA)

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

Non-volatile matter:	10 %
Carrier:	Xylene/butyl acetate 1/1
Melting point (wax content):	105 °C
Particle size (Hegman):	25 µm
Viscosity (23 °C):	13 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. Do not store or transport above 35 °C. Stir before use.

Special Note
Test methode: 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 resulting film must be clear and free of seeds during drying.
Test methode: 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 grind-gauge. Result: 25 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 effect. 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
CERAFAK 100 is recommended for solvent-borne base coats and one-coat metallic top coats in industrial coatings.

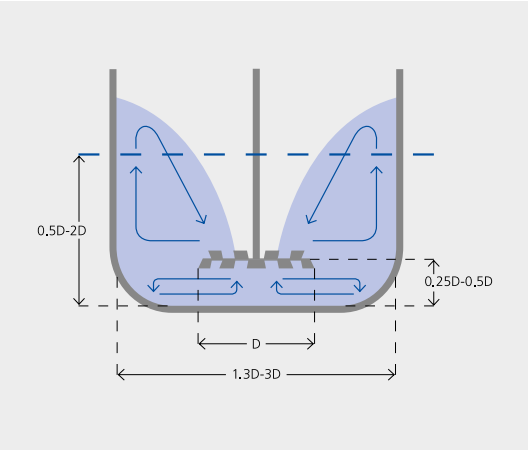
Recommended Levels

30 % 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 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 solvent can be added under agitation.



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