

## CERAFAK 106 N

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 (60 min, 125 °C):	6 %
Carrier:	xylene/butylacetate/n-butanol 7/8/1
Melting point (wax content):	105 °C
Particle size (Hegman):	20 µm
Viscosity (23 °C):	20 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](mailto:info@byk.com)  
[www.byk.com](http://www.byk.com)



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