efka® - 4047

High molecular weight polymeric dispersant for deflocculation of pigments

Composition: Modified polyurethane

Data:

Active ingredients	:	34 - 36%	
Solvents	:	butylacetate/methoxypropylacetate/sec. butanol	
Density at 20 °C	:	0.97 – 0.99 g/cm^3	DIN 51757
Amine value	:	14 - 20 mg KOH/g	DIN 16945
Flashpoint	:	24 °C	ISO 3679
Colour	:	max. 3	ISO 4630

Properties: EFKA-4047 is a polymeric dispersant for stabilizing inorganic and organic pigments. This results in:

- improved gloss and DOI
- reduced flooding problems
- higher colour strength
- lower viscosity

The higher molecular weight of EFKA-4047 compared to EFKA-4046 gives stronger deflocculation results with some organic pigments and carbon blacks. In spite of its higher molecular weight EFKA-4047 has a wide compatibility with all kinds of resins. Pigment concentrates based on EFKA-4047 exhibit low viscosity and can even be used in pure, white spirit-based let-downs.

Application: EFKA-4047 is used in high quality industrial coatings such as: automotive topcoats (OEM and refinish), coil coatings and 2-pack polyurethane coating systems, as well as pigment concentrates (see our concept for resin minimal pigment concentrates based on EFKA polymeric dispersants).

Addition: Calculation method for the required amount of active ingredient on pigment:

Inorganic pigments	:	10% of oil absorption value
Organic pigments	:	25 - 50% of BET- value
Carbon blacks	:	20% of DBP absorption value

Incorporation: EFKA-4047 should be incorporated in the mill base before adding the pigments.

Storage: EFKA-4047 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging: 25 kg and 190 kg non-returnable containers

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