

efka® - 4520

High molecular weight polymeric dispersant for deflocculation of pigments in solvent and aqueous coatings

Composition: Modified polyurethane

Data:

Active ingredients:	32 - 34%	
Solvents	:	butylacetate/methoxypropylacetate/methoxypropanol
Density at 20 °C	:	0.99 - 1.01 g/cm ³ DIN 51757
Acid value	:	6 - 11 mg KOH/g DIN 53402
Amine value	:	6 - 10 mg KOH/g DIN 16945
Flashpoint	:	24 °C ISO 3679
Colour	:	max. 5 ISO 4630

Properties: EFKA-4520 stabilizes the pigment dispersion of inorganic and organic pigments and improves the following properties:

- gloss
- colour strength
- flocculation stability
- anti-flooding
- viscosity depressant behaviour

EFKA-4520 is a film-forming polymer with excellent water-resistance. Before adding to the mill base EFKA-4520 should be neutralized to a pH of 8.5 - 9.0. Complete water-solubility will be obtained by e.g. addition of 1.5% AMP 90.

Application: EFKA-4520 is recommended for use in all kinds of high quality solvent- and water-based industrial coatings, as well as resin minimal pigment concentrates for solvent- and water-based coatings.

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-4520 should be incorporated in the mill base before adding the pigments.

Storage: EFKA-4520 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 180 kg non-returnable containers
