

Efka[®] FA 4609

general

- polymeric wetting and dispersing agent with acidic groups
- very efficient in wetting and dispersing of titanium dioxide, fillers, extenders and other inorganic pigments like iron oxides
- high pigment and filler loading
- suitable for solvent-based systems
- strong reduction of mill base viscosity
- reduced pseudoplastic rheological behavior
- increased hiding power
- broad compatibility in a wide range of resin systems
- suitable for high gloss systems

chemical nature

solution of a copolymer with acidic groups

Properties

physical form

clear, slightly yellowish liquid

shelf life

Efka[®] FA 4609 should be stored in tightly closed containers and in a cool place. Mix well before use. In case of separation or turbidity heat-up to 30 – 40 °C and stir.

typical properties (no supply specification)

solvent	methoxy propyl acetate / alkylbenzenes 1:1
density at 20 °C (68 °F)	~ 1.03 g/cm ³
Solid content	~ 52 %
acid value	~ 53 mg KOH/g

Application

Efka[®] FA 4609 shows outstanding performance in dispersing and stabilizing inorganic pigments in particular titanium dioxide. In combination with a universal solvent based grinding resin like Laropal[®] A 81, low mill base viscosities with reduced pseudo plastic flow behavior can be achieved. Furthermore, Efka[®] FA 4609 is highly suitable to disperse iron oxide pigments.

Efka[®] FA 4609 is suitable for many coating systems such as:

- automotive OEM and refinish coatings
- solvent-based industrial coatings
- coil coatings, especially TiO₂
- wood coatings

Because of its anionic character, Efka[®] FA 4609 may have a catalyzing effect on the curing reaction in some baking enamels.

recommended concentrations

Recommended dosages active on pigment / filler of Efka® FA 4609 are:

fillers or extenders	1.5 – 2.5 %
TiO ₂	3.0 – 6.0 %
other inorganic pigments	3.0 – 6.0 %

Efka® FA 4609 should always be incorporated into grinding medium before the addition of pigments or fillers.

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Safety

When handling this product please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

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