

Efka[®] FA 4611

General

- Efka[®] FA 4611 is a solvent-free wetting and dispersing agent with acidic groups
- Excellently suited for solvent-borne and solvent-free coatings and printing inks
- Broad compatibility in a wide range of resin systems
- Very efficient in wetting and dispersing of titanium dioxide and other inorganic pigments
- High pigment and filler loading possible
- Strong reduction of mill base viscosity
- Suitable for high gloss systems

Chemical nature

Copolymer with acidic groups

Properties

Physical form

Clear, slightly yellowish liquid

Technical data

(not supply specification)

Density	(20 °C)	1.13 – 1.19 g/cm ³
Acid value		119 – 139 mg KOH/g

Application

Efka® FA 4611 is a solvent-free wetting and dispersing agent. It shows outstanding performance in dispersing and stabilizing of inorganic pigments - in particular titanium dioxide.

Efka® FA 4611 is excellently suited for solvent-borne and solvent-free coatings and printing inks. It shows excellent pigment grinding properties in white UV flexo- and screen inks and coatings based on TiO₂.

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.

Efka® FA 4611 is suitable for many coating systems such as:

- Automotive OEM and refinish coatings
- Solvent-borne and solvent-free industrial coatings
- Coil coatings
- Wood coatings
- Radiation curable inks (UV inks)
- Reactive resins and composites

Recommended concentrations

TiO ₂	1.0 – 6.0 % on pigment weight
Other inorganic pigments	2.5 – 5.0 % on pigment weight

Efka® FA 4611 should always be added to the grinding medium before addition of the pigments.

Storage

Efka® FA 4611 should be stored in tightly closed containers and in a cool place. Mix well before use. If separation or turbidity is observed, heat product to 30 – 40°C and homogenize by stirring.

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Validity

This Technical Data Sheet is valid for all versions of the Efka® FA 4611.

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

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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