

# 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

### 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.

### typical properties

density at 20 C (68°F)	~ 1.16 g/cm <sup>3</sup>
acid value	~ 129 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 TiO<sub>2</sub>.

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 <sub>2</sub>	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.

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**Validity**

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

**Safety**

When handling these products, 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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