

# Efka<sup>®</sup> FA 4600

## General

- Anti-settling agent for non-aqueous coatings
- Prevents sedimentation and agglomeration of even heavy pigments
- Liquid and easily applicable
- Can be incorporated at any stage of the paint production process
- Does not impair gloss, flow, drying properties or adhesion
- Does not influence the water resistance of finished paints
- Especially recommended for wash primers

## Chemical nature

Highly concentrated solution of surface-active anionic compounds

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## Properties

### Physical form

Colorless to yellowish/ reddish\*\* liquid

### Technical data

(not supply specification)

Solvents	n-butanol / water	
Density	DIN 51757	1.00 – 1.04 g/cm <sup>3</sup>
Refraction index	DIN 51423	~ 1.413
pH value	10.0 %	~ 6

## Application

Efka® FA 4600 is an easy-to-use liquid anti-settling agent. It is effective over a broad range of solvent polarity. It can, therefore, be used in nitrocellulose lacquers as well as in decorative paints which might only contain white spirit.

Efka® FA 4600 is an excellent anti-settling agent for low-viscosity printing inks, e.g., flexographic and gravure. In particular it counteracts the sedimentation tendency of inorganic pigments.

## Recommended concentrations

The following table gives a summary of possible application systems and dosages:

Oils and oleo-resinous binders	0.2 - 0.6 %	++
Short oil alkyd resins	0.2 - 0.6 %	++
Medium oil alkyd resins	0.2 - 0.6 %	++
Long oil alkyd resins	0.2 - 0.6 %	++
Urethane alkyds and urethane oils	0.2 - 0.6 %	++
Styrenated alkyds	0.1 - 0.5 %	++
Epoxy ester	0.2 - 0.4 %	++
Alkyd/amino resin combinations	0.1 - 0.4 %	++
Chlorinated rubber, cyclized rubber and their combinations	0.2 - 0.7 %	++
Nitrocellulose	0.1 - 0.5 %	+
Polyvinyl butyral (wash primers)	0.2 - 0.5 %	++
Polyvinyl chloride and its copolymers	0.2 - 0.5 %	++
Polyurethane		—
Acrylics, air-drying	0.1 - 0.3 %	++
Acrylics, thermosetting	0.1 - 0.3 %	++

All quantities stated above are quoted as a percentage of the finished paint

++ = very suitable

+ = suitable

— = not suitable

We do not recommend the use of Efka® FA 4600 in those coatings which contain metallic pigments. In such cases our Efka® RM product range or Efka® FA 4663 are more suitable. Due to the large number of variations in paints, it is necessary to carry out suitable tests with Efka® FA 4600 to determine optimum dosage levels.

\*\* = Our tests have shown that a reddish discolouration has no negative influence on the paint system. Cloudiness caused by low storage temperatures has no influence on the effectiveness of Efka® FA 4600. In general, warming to room temperature eliminates this cloudiness.

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## Storage

Efka® FA 4600 should be stored in tightly closed containers and in a cool place.

### Contacts worldwide

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### Validity

This Technical Data Sheet is valid for all versions of the Efka® FA 4600.

### 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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