

Efka[®] 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 production stage of the paint, e.g., before or after the grind stage
- 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

Properties

physical form

colorless to yellowish/ reddish** liquid

storage

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

typical properties

solvents	n-butanol / water
density at 20 °C (68 °F)	~ 1.025 g/cm ³
refraction index at 20 °C	~ 1.413
pH value (10%)	~ 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 the possible applications 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 do 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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Validity

This Technical Data Sheet is valid for all versions of the Efka FA 4600; Efka FA 4600. Efka FA 4600 EG, Efka FA 4600 NM, Efka FA 4600 SJ.

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

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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