

Efka[®] PX 4350

Product description High-molecular-weight dispersing agent

Key benefits

- High efficiency in stabilizing pigments
- Demonstrates a wide compatibility with many solvent-based resin systems
- Newtonian rheology profile even at high pigment loading
- High efficiency with and without a pigment synergist
- Especially suitable for optimum dispersion of β Cu-phthalocyanine pigments
- High gloss due to excellent compatibility and improved pigment dispersion

Chemical nature Acrylic block copolymer

Properties

Physical form clear orange to reddish liquid

Technical data

(no supply specification)

solvent		1-methoxy-2-propyl acetate
active ingredients		~ 51 %
density	at 20 °C (68 °F)	~ 1.04 g/cm ³
amine value		~ 12.5 mg KOH/g
color		≤ 14

Application

Efka® PX 4350 is made by the Controlled Free Radical Polymerization (CFRP) technology, which allows producing polymeric dispersants with defined polymer architecture and a low polydispersity index. Efka® PX 4350 is highly suitable to be used in Resin-Containing Pigment Concentrates (RCPC) for a wide range of solvent-based industrial and automotive coatings (incl. solvent-based industrial and automotive coatings).

Formulation guideline

Calculation method to estimate the minimum required amount of active dispersant on pigment:

inorganic pigments	10–15 % on oil absorption value
organic pigments (green, blue, violet)	15–30 % on BET value
organic pigments (yellow, orange, red)	15–45 % on BET value
carbon blacks (LCF)	15–20 % on DBP value
carbon blacks (HCC)	40–50 % on DBP value

Efka® PX 4350 should be incorporated in the mill base before adding the pigments.

Storage

Efka® PX 4350 should be stored in a dry and cool place.

Contacts worldwide

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Validity

This Technical Data Sheet is valid for all versions of the Efka® PX 4350.

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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