Efka® PX 4720

Product description

Efka® PX 4720 is a high molecular weight acrylic dispersing agent prepared with controlled free radical polymerization. It is designed to stabilize both treated and untreated silica-based matting agents in solvent-free, UV-curing coatings. Because of the strong viscosity reducing effect it is possible reach high matting agent loading.

Efka® PX 4720 is suitable for use in ultra-low gloss applications and is delivered as polymer solution in a reactive diluent.

Key benefits

- Strong viscosity reducing effect
- High matting efficiency
- Broad resin compatibility
- Improved formulation stability

Chemical nature

Acrylic block copolymer with pigment-affinic groups

Properties

Physical form

Clear, reddish liquid

Technical data

(should not be interpreted as specifications)

Diluent	Dipropylene glycol diacrylate (DPGDA)
Active ingredients	~ 60 %
Amine value	10.0 – 15.0 mg KOH/g
Density	1.06 – 1.09 g/ml

Application

Efka® PX 4720 is highly suitable for use in solvent-free UV-curing formulations, due to its excellent compatibility with commonly used oligomers and resins.

Efka® PX 4720 provides robust stabilization of a broad range of matting agents, reducing problems with settling and syneresis, for example during roller coating application.

Recommended dosage

5 – 10% of active additive based on matting agent. Certain matting agents may require a higher dosage.

The dosage levels are recommended for starting formulations. For optimum results, a ladder study should be performed in the specific formulation.

Storage

Efka® PX 4720 should be stored in a dry and cool place. Do not expose to direct sunlight.

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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