

Efka[®] FL 3745

(old: PERENOL[®] F 45)



The Chemical Company

general

Efka[®] FL 3745 is a silicone-free levelling agent with air release properties for powder coatings. It can be used in liquid non-aqueous coatings as well as in powder coating.

due to its chemical structure Efka[®] FL 3745 modifies the surface tension of powder coatings. By formulating with this product, smooth trouble-free film surfaces will be obtained, generally with an improvement in gloss.

chemical nature

copolyacrylate

Properties

physical form

clear, colorless liquid

shelf life

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years.

typical properties (no supply specification)

density at 20 °C (68 °F)	~ 0.94 g/cm ³
Brookfield viscosity at 23 °C (73 °F)	~ 15.000 mPa·s
solids	~ 96%

Application

Efka[®] FL 3745 can be used in

powder coatings based on:	liquid coatings based on:
<ul style="list-style-type: none">• epoxy resins	<ul style="list-style-type: none">• polyester/melamine (e.g. coil coatings)
<ul style="list-style-type: none">• polyacrylic resins• polyesters	<ul style="list-style-type: none">• 2 pack polyester/isocyanate• 2 pack polyacrylate/isocyanate (car refinish, aviation)
<ul style="list-style-type: none">• polyurethane	

recommended concentrations

Efka[®] FL 3745 may be added either to the mill base prior to grinding, or stirred into the paint after pigment dispersion. The optimum amount of Efka[®] FL 3745 required depends upon the formulation but is usually between 0,2 and 1% calculated on the binder.

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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