

Efka[®] FL 3740

(old: PERENOL[®] F 40)



The Chemical Company

general

Efka[®] FL 3740 is a levelling agent with air release properties for non-aqueous, liquid coating systems, as well as for powder coatings and binders for powder coatings.

due to its chemical structure, Efka[®] FL 3740 modifies the surface tension of the coatings. Efka[®] FL 3740 eliminates or reduces cratering, fish-eyes and orange peel; it improves the flow, dispersion and floating behaviour, prevents air entrapment and optimizes wetting of the substrate.

chemical nature

copolyacrylate

Properties

physical form

clear, colourless 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)	~ 0.92 g/cm ³
Brookfield viscosity at 23 °C (73 °F)	~ 2,000 mPa·s
solids	~ 97%
refraction index at 20 °C (68 °F)	~ 1.46

Application

Efka[®] FL 3740 is also ideally suited to be used in the manufacture of powder coatings or binders for powder coatings. For the preparation of a master batch we recommend a mixing of 9 parts of polyester resin with 1 part Efka[®] FL 3740. This mixture is perfectly suited for direct application in the premix and extrusion process after melting, homogenization, cooling and granulation. The drawbacks of levelling agents applied on SiO₂ are avoided. In particular, pigmented and transparent powder coatings with excellent levelling properties are obtained for the production of weatherproof powder coatings.

Efka[®] FL 3740 can be used in:

- alkyd resin paints
- epoxy resin paints
- acrylic/melamine resin coating
- 2-component acrylic coatings
- PVC copolymer coatings
- polyurethane coatings
- chlorinated rubber coatings
- nitrocellulose lacquers

recommended concentrations

part Efka[®] FL 3740 may be added either to the mill base prior to grinding, or stirred into the paint after pigment dispersion. The optimal amount of part Efka[®] FL 3740 required depends upon the formulation but is usually between 0.2 and 1.0%.

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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