Technical Information

Efka® SL 3031

(old : Efka® 3031)

BASF
The Chemical Company

general

slip and leveling agent

- improves mar resistance
- increases slip and surface smoothness
- prevents cratering
- decreases the tendency to pigments' floating and sensitivity to air drafts

chemical nature

organically modified polysiloxane

Properties

physical form

clear to slightly hazy, colorless liquid

shelf life

The product should be stored in a cool dry place. When kept in its original unopened containers, it will keep up to 4 years.

typical properties (no supply specification)

active ingredients	~ 52%
solvent	alkyl benzene
density at 20 °C (68 °F)	~ 0.95 g/cm^3
refractive index	~ 1.474
flash point	40 °C (104 °F)

Application

Efka® SL 3031 is compatible with all medium- to high-polarity solvent-based systems.

wood finishes

In unsaturated polyesters, e.g., UV-curable, Efka® SL 3031 improves slip and smoothness of the surface with no influence on curtain stability when applied by curtain coating. The sensitivity to air drafts when sprayed or poured will be reduced by Efka® SL 3031.

metal coatings

Efka® SL 3031 improves leveling and mar resistance and acts as an anti-blocking agent. This is particularly advantageous in PUR systems based on hydroxyl acrylics. Due to its high surface activity, Efka® SL 3031 can interfere with intercoat adhesion when recoated without sanding. If air is introduced by the application equipment, small amounts of defoamers such as Efka® PB 2020 and Efka® SI 2022 should be added.

recommended concentrations

0.1–0.3% on total formulation

Efka® SL 3031 can be added at any stage during the production process.

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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