Efka® PU 4050

General

High-molecular weight dispersing agent

Efka® PU 4050 is a polymeric dispersant for stabilizing inorganic and organic pigments. This results in

- Improved gloss and DOI
- Reduced flooding
- Higher color strength
- Lower viscosity

Chemical nature

Modified polyurethane

Properties

Physical form

Slightly hazy yellowish liquid

Technical data

(not supply specification)

Solvent		n-Butyl acetate / methoxypropylacetate
Density	(20 °C)	0.98 – 1.02 g/cm^3
Solid content	(1h at 120 °C)	44.0 – 46.0 %
Flash point		24 °C
Amine value	(20 °C)	10 – 17 mg KOH/g
Color number	Gardner (20 °C)	≤ 10

Application

Efka® PU 4050 is used in all kinds of solvent-based coatings, including high-quality industrial coatings such as automotive topcoats (OEM and refinish), coil coatings and 2-pack polyurethane coating systems. It can also be used in pigment concentrates.

Recommended concentrations

Calculation method for the required amount of active ingredient on pigment:

Inorganic pigments	10 % of oil absorption value
Organic pigments	25 – 50 % of BET value
Carbon blacks	20 % of DBP absorption value

Efka® PU 4050 should be incorporated in the mill base before adding the pigments.

Storage

Efka® PU 4050 should be stored in a cool and dry place.

Contacts worldwide

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Validity

This Technical Data Sheet is valid for all versions of the Efka® PU 4050.

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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