

# Efka<sup>®</sup> PU 4050

## general

high-molecular-weight dispersing agent

Efka<sup>®</sup> 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

clear, slightly yellowish liquid

### storage

Efka<sup>®</sup> PU 4050 should be stored in a cool and dry place.

### typical properties (no supply specification)

solvent	n-butyl acetate / methoxypropyl acetate
density at 20 °C (68 °F)	~ 1.00 g/cm <sup>3</sup>
active ingredients	~ 45 %
flash point	24 °C (75°F)
amine value	~ 12 mg KOH/g
color	≤ 10

## Application

Efka<sup>®</sup> 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<sup>®</sup> PU 4050 should be incorporated in the mill base before adding the pigments.

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**Validity**

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

**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**

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