Efka® PU 4050

(Old: Efka® 4050)

BASF
We create chemistry

High molecular weight, polyurethane dispersing agent for high-quality industrial and automotive coatings

Efka® PU 4050 is a polymeric dispersant for stabilizing inorganic and organic pigments. It is used for all kinds of solvent-based coatings, including automotive topcoats (OEM and refinish) and high-quality industrial coatings such as coil coatings and 2-pack polyurethane coating systems. Efka® PU 4050 can also be used in pigment concentrates for such high-end applications requiring durability.

Performance Highlights

- High color development
- Improves gloss and DOI
- Reduces flooding problems

TiO_2 concentrate with Efka PU 4050 in Laropal A 81 and use in white paints

White paints	Epoxy 2K	MOA	PUR 2K	NC
Epoxy component A	41.5			
Meduim Oil alkyd		70.0		
Polyurethane component A			59.3	
Nitrocellulose				70.0
TiO_2 formulation	30.0	30.0	30.0	30.0
Epoxy Hardener B	28.5			
Polyurethane Hardener B			20.7	
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TiO_2 color formulation	Efka® PA 4050	Benchmark
Laropal A81 (65% in MPA)	14.3	14.3
Polymeric dispersant	2.0	2.8
Methoxy Propyl Acetate	13.9	13.9
TiO_2	69.0	69.0
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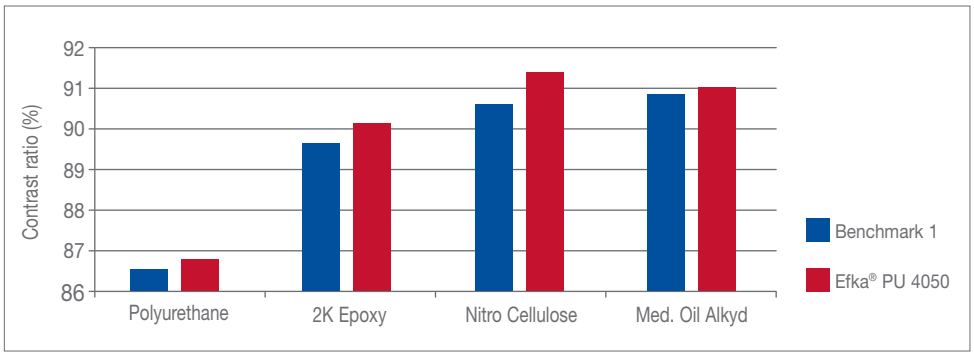
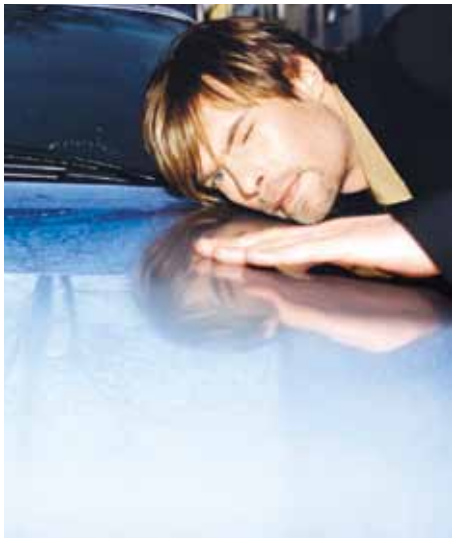
Contrast ratio of paints with Efka® PA 4050 (75 µ) micron symbol vs Benchmark 1



Efka® PU 4050: Characteristic Values

Property	Value
Appearance	clear, slightly yellowish liquid
Active ingredients	~ 45 %
Amine value	~ 12 mg KOH/g
Solvent	n-butyl acetate/methoxypropyl acetate
Density at 20°C (68 °F)	~ 1.00 g/cm3
Flash point	24 °C (75°F)
Color Gardner	≤ 10



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