

# Efka<sup>®</sup> PU 4050

(Old: Efka<sup>®</sup> 4050)



We create chemistry

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

Efka<sup>®</sup> 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<sup>®</sup> PU 4050 can also be used in pigment concentrates for such high-end applications requiring durability.

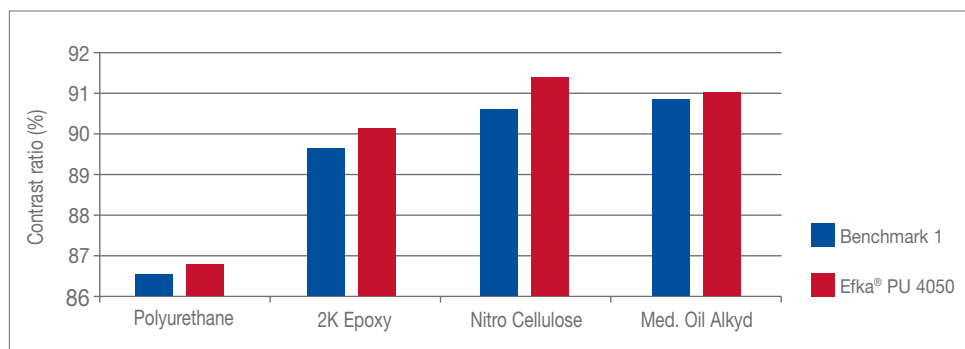
### Performance Highlights

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

### TiO<sub>2</sub> concentrate with Efka PU 4050 in Laropal A 81 and use in white paints

White paints	Epoxy 2K	MOA	PUR 2K	NC	TiO <sub>2</sub> color formulation	Efka <sup>®</sup> PA 4050	Benchmark
Epoxy component A	41.5				Laropal A81	14.3	14.3
Medium Oil alkyd		70.0			(65% in MPA)		
Polyurethane component A			59.3		Polymeric dispersant	2.0	2.8
Nitrocellulose				70.0	Methoxy Propyl Acetate	13.9	13.9
TiO <sub>2</sub> formulation	30.0	30.0	30.0	30.0	TiO <sub>2</sub>	69.0	69.0
Epoxy Hardener B	28.5				[v]hs	433	433
Polyurethane Hardener B			20.7				
[v]hs	433	433	443	433			

### Contrast ratio of paints with Efka<sup>®</sup> PA 4050 (75 μ) micron symbol vs Benchmark 1



### Efka<sup>®</sup> 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/cm <sup>3</sup>
Flash point	24 °C (75°F)
Color Gardner	≤ 10



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