# Efka® PU 4010/4020

(Old: Efka® 4010 / 4020)



# High molecular weight, polyurethane dispersing agents for organic and inorganic pigments

Efka® PU 4010 and Efka® PU 4020 are suitable for all solvent-based paints from high-performance industrial coatings (2k epoxy, 2k PUR, short oil alkyd) to long oil alkyd based decorative paints. They can also be used in universal solvent-based pigment concentrates.

It is possible to mix organic pigment dispersions stabilized with Efka PU 4010 / PU 4020 and pigment dispersions stabilized with other Efka polymeric dispersants due to high inter-compatibility.

Efka® PU 4010 / Efka® PU 4020 are very attractive substitutes for conventional wetting and dispersing agents as they are particularly good combinations of price and performance.

#### Positioning Efka®PU 4010 and Efka®PU 4020

Efka® PU 4009 – 1st generation PUR HMWD 60% active in MPA/ButAc/2-but.

Workhorse, economic tinting systems with Laropal A81



HMWD PUR with flexible anhoring groups: "more efficient"

Efka® PU 4010 – 2nd generation PUR HMWD 50% active in MPA/ButAc/ Shellsol A

Aromatic / Butac free version of Efka® PU 4010. Same Polymer with increased active ingredients: Targeted for epoxy flooring and SB

decorative paints

Efka® PU 4020 - 2nd generation PUR HMWD 65% active in MPA

### Guide formulations: Tinting pastes for epoxy flooring based on Efka® PU 4020

Epoxy resin		50.0	50.0	50.0	50.0
Dispering agent	Efka® PU 4020	5.0	8.0	10.0	2.0
Synergist	Efka® MI 6745		1.0		
Hydrocarbon resin			16.0		
Filler	Blanc Fix Micro		5.0	20.0	
Pigment	Bayferrox 3920	45.0			
Pigment	Heliogen Blue L 7087		20.0		
Pigment	Special black 4			20.0	
Pigment	Kronos 2310				48.0
		100.0	100.0	100.0	100.0

#### Efka® PU 4010 / PU 4020 : Characteristic Values

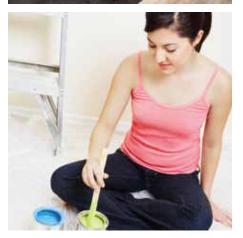
Property	Value
Appearance	clear, slightly yellowish liquid
Active ingredients	~ 50% / 65%
Amine value	~ 6 mg KOH/g / ~ 9 mg KOH/g
Solvent	butyl acetate/methoxypropyl acetate/ alkylbenzene/methoxypropyl acetate
Density at 20°C (68 °F)	~ 0.98 g/cm3
Flash point	24°C (75°F)
Color, Gardner	≤ 6

## **Performance Highlights**

- · Reduced grinding time
- Improved gloss
- Prevention of flooding and floating problems
- Higher color strength







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