

Efka® PU 4009

(Old: Efka® 4009)



We create chemistry

High molecular weight, polyurethane dispersing agent for inorganic and organic pigments

Efka® PU 4009 is suited for the use in universal solvent-based pigment concentrates, particularly where a good combination of price and performance is required. It can also be used for all solvent-based, high-performance industrial coatings and decorative paints based on long oil alkyds.

Additionally it is a very attractive substitute for conventional wetting and dispersing agents as it provides an excellent balance between dispersant efficiency and compatibility.

Performance Highlights

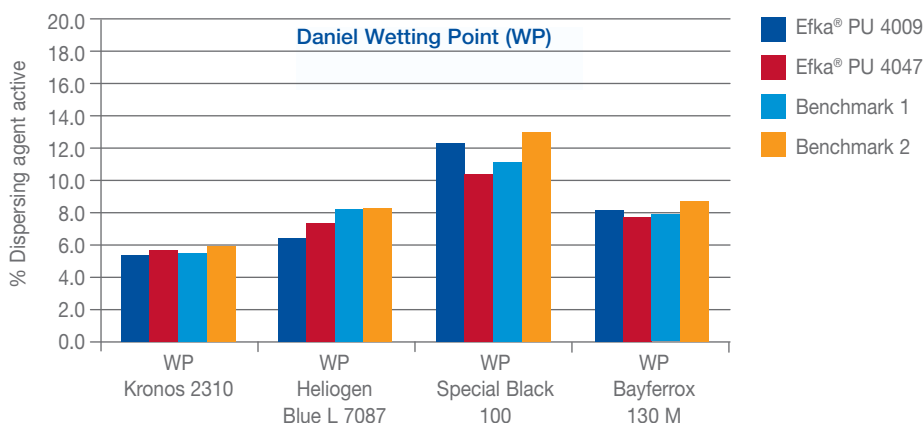
- Reduced dispersing time
- Improved gloss
- Prevention of flooding and floating problems
- Higher color strength

Compatibility in several binder systems

Compatibility 5% solid addition

| | NC Clear | Stoving enamel | 2K epoxy clear | Long Oil Alkyd clear |
|---------------|----------------|----------------|----------------|--------------------------|
| Efka® PU 4009 | OK | OK | OK | OK |
| Efka® PU 4047 | Visc. Increase | OK | OK | Visc. increase / gelling |
| Benchmark 1 | Visc. Increase | Visc. Increase | OK | Visc. increase / gelling |
| Benchmark 2 | OK | Gelation | OK | OK |

Efficiency in wetting measured by % Dispersing agent required using Daniel flow point method



Efka® PU 4009: Characteristic Values

| Property | Value |
|-------------------------|---|
| Appearance | clear, slightly yellowish liquid |
| Active ingredients | ~ 60% |
| Amine value | ~ 12 mg KOH/g |
| Solvent | butyl acetate/methoxypropyl acetate/2-butanol |
| Density at 20°C (68 °F) | ~ 1.01 g/cm ³ |
| Flash point | 24 °C (75°F) |
| Color | ≤ 5 |



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