Efka® PX 4780
Solvent-based high-performance reactive dispersing agent

Performance Highlights
- Cross-linkable with isocyanate and melamine-based resin systems for optimal hardness and improved solvent resistance
- Exponentially lower pigment paste viscosity at lower addition levels
- Exceptional jetness for carbon black pigments
- Excellent gloss development

Characteristic Values

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brownish, high-viscous liquid</td>
</tr>
<tr>
<td>Amine Value</td>
<td>~20mg KOH/g</td>
</tr>
<tr>
<td>Solid Content</td>
<td>~100%</td>
</tr>
<tr>
<td>Solvent</td>
<td>None</td>
</tr>
</tbody>
</table>

Suitable for automotive and high performance industrial coatings
Efka® PX 4780
Solvent-based reactive dispersing agent
Superior efficiency, fantastic performance

Changing the efficiency – performance dynamic

Pigment dispersants form an essential part of a pigmented coating formulation. Their use normally has a positive influence on properties, such as grinding efficiency, color development and transparency – but physical properties of the coating are often negatively impacted. **Efka® PX 4780 changes this dynamic.** When cross-linked with the main resin matrix, it can achieve excellent dispersing efficiency, while also significantly reducing the usual negative impact on coating properties, such as solvent resistance and hardness.

Monarch 1300: Comparative Viscosity vs DOP at 0.016 sec-1
(Low Shear); 16% PP; Hr Scandex

![Monarch 1300 Diagram]

Efka® PX 4780 is the most efficient dispersing agent versus benchmarks

Pendulum Harness 2KPU Topcoat Formulation – 20% Pigment Paste

![Pendulum Harness Diagram]

Efka® PX 4780 provides highest pendulum hardness (Irgazin Red / PR 254 paste formulation)

Contacts

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