Kusumoto Chemicals, Ltd.

DISPARLON® PFA-250

Anti-Sagging / Anti-Settling Agent for Solvent-borne Systems

TECHNICAL DATA SHEET
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DISPARLON® PFA-250 is a paste-form thixotropic agent consisting of a specially prepared amide wax activated in aromatic-free solvents. DISPARLON® PFA-250® is easily incorporated into various vehicles and/or solvents, developing an exceptionally strong thixotropic structure with long-term stability.

TYPICAL PROPERTIES

The following figures are typical properties, not to be used for specification.

Appearance	White to light yellow paste
Non-volatile matter	20 wt%
Solvent	Butyl acetate / 1-Butanol

ADVANTAGES

- Provides strong anti-sagging and anti-settling effects.
- Improves the orientation of metallic pigments.
- Ready-to-use (no activation required).

APPLICATION

DISPARLON® PFA-250 can be used in almost all solvent-borne synthetic resin coatings. It is particularly recommended for heavy-duty paints including epoxies, tar-epoxies, urethanes, chlorinated rubbers, vinyls, unsaturated polyesters, acrylics, and baking enamels (e.g., acrylic-melamine for automotive topcoats).

INCORPORATION

Addition levels

Recommended dosage level is 1.0–5.0 wt% for anti-sagging and 0.5–2.0 wt% for anti-settling (based on total formulation). However, dosage levels may fall outside these ranges depending on your formulation.
The optimal additive level should be determined under actual use conditions.

Method

Addition using a high-speed dissolver is recommended.

Dispersing temperature

The amide component may form particles if it is dissolved into a formulation and later precipitated during the dispersing process. The standard dispersing temperature is between room temperature and 50°C to prevent particle generation.
Care must be taken with the dispersing temperature because particles may occur at the upper end of the standard temperature range if a formulation contains a large amount of polar solvent.

STORAGE

Particles may form in the paste during storage at a low temperature below 15°C because of the crystallization of its ingredients. In such cases, please warm the vessel in a heating chamber at 35–40 °C for 24 to 48 hours just before use.

CAUTION

Amide wax may cause low surface tension. Ensure recoatability is checked, especially in alkyd-melamine or oil-modified alkyd baking systems.

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