Kusumoto Chemicals, Ltd.

DISPARLON® NS-5503

Anti-Settling Agent for Solvent-borne Systems

TECHNICAL DATA SHEET
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DISPARLON® NS-5503 is a pre-activated thixotropic agent composed of a hybrid compound of amide wax and oxidized polyolefin. DISPARLON® NS-5503 prevents settling and improves metallic pigment orientation without excessive viscosity increase or undesirable aggregation. Unlike conventional amide paste products, DISPARLON® NS-5503 is easily incorporated into systems and eliminates the need to prepare a masterbatch for incorporation. This product contains no aromatic solvents.

TYPICAL PROPERTIES

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

Appearance	White to light yellow flowable paste
Active matter	7 wt%
Solvent	Naphtha (petroleum), hydrotreated heavy / n-Butyl acetate / Ethyl alcohol

ADVANTAGES

- Provides excellent anti-settling properties.
- Improves metallic pigment orientation.
- Improves matting effect of silica.
- Provides excellent handling and easy incorporation
- Contains no aromatic solvents.

APPLICATION

DISPARLON® NS-5503 can be used in a wide range of coating systems and is especially recommended for metallic coatings such as high-performance enamels and two-component urethane systems.

INCORPORATION

Addition levels

3.0–8.0 wt% on total formulation.
The optimal additive level should be determined under actual use conditions.

Method

Post-addition at the final production stage with a dissolver is recommended.
Keep temperature below 50 °C during incorporation.

STORAGE

Store below 40 °C.
Do not heat. Heating causes degradation of quality and performance.
Flowability may decrease in low-temperature conditions. It can be restored by shaking.

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