Kusumoto Chemicals, Ltd.

DISPARLON® AQ-610

Rheology Control Agent for Water-borne Systems

TECHNICAL DATA SHEET
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DISPARLON® AQ-610 is a rheology control agent based on polyamide.
DISPARLON® AQ-610 forms a network structure through interaction with paint components within a coating system, preventing settling and hard-caking, while improving the orientation of metallic pigments. Unlike conventional water-borne thickeners, DISPARLON® AQ-610 imparts thixotropic properties without causing an excessive increase in viscosity.

TYPICAL PROPERTIES

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

Appearance	Yellow paste
Active matter	15 wt%
Amine	N, N-dimethylethanolamine
Solvent	Water / Propylene glycol monobutyl ether
Acid value (mgKOH/g)	14.0

ADVANTAGES

- Excellent anti-settling properties.
- Imparts thixotropic properties without causing an excessive increase in viscosity.
- Easy incorporation.

APPLICATION

DISPARLON® AQ-610 can be used in a wide range of water-borne coating systems and is particularly suitable for emulsion coatings and dispersion coatings.

INCORPORATION

Addition levels

1.0–4.0 wt% on total formulation.

Method

Can be added at any production stage. Post-addition at the final production stage with a dissolver is recommended.
Keep the temperature during the dispersing process between room temperature and 40 °C.

STORAGE

Keep from freezing. Freezing causes severe degradation of quality and performance.
Do not heat. Store below 40°C. Heating causes degradation of quality and performance.

CAUTION

Due to the nature of this product, the solvent may occasionally bleed out to the surface of the paste over time.
This doesn't affect its original properties. Gently stir the content until uniform before use.
Manual stirring is recommended, as intensive high-shear mixing with a dissolver or the application of heat will degrade product performances.

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