DISPARLON® AQ-870

Rheology Control Agent for Water-borne Systems

TECHNICAL DATA SHEET
Issued on 8 October 2026

DISPARLON® AQ-870 is a polyamide-based rheology control agent for water-borne systems.
DISPARLON® AQ-870 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-870 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 liquid
Active matter	15 wt%
Amine	N, N-dimethylethanolamine
Solvent	Water / 2-ethylhexylalcohol
Acid value (mgKOH/g)	9.1

ADVANTAGES

- Excellent anti-settling properties
- Imparts thixotropic properties without excessively increasing viscosity
- Easy incorporation

APPLICATION

DISPARLON® AQ-870 can be used in a wide range of water-borne coating systems.

INCORPORATION

Addition levels

1.0–6.0 wt% on total formulation.

Method

Can be added at any production stage. Post-addition at a 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 degradation of quality and performance.
At low temperature (below 10 °C), this product loses fluidity and turns into a paste. If this occurs, heat it to 50 °C or higher to restore fluidity before use.

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