Kusumoto Chemicals, Ltd.

DISPARLON® AQ-021

Rheology Control Agent for Water-Borne Systems

TECHNICAL DATA SHEET
Issued on 6 November 2026

DISPARLON® AQ-021 is a hydrophobically modified acrylic polymer-based rheology control agent designed for water-borne systems. DISPARLON® AQ-021 interacts with paint components in a coating system and imparts excellent thickening effects and thixotropic properties by combining features of both acrylic rheology modifiers and associative rheology modifiers. DISPARLON® AQ-021 prevents excessive viscosity build-up in applied coatings.

TYPICAL PROPERTIES

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

Appearance	Colorless to light yellow liquid
Active matter	20 wt%
Solvent	Ethylene glycol monobutyl ether
Acid value (mgKOH/g)	28

ADVANTAGES

- Excellent anti-sagging and anti-settling properties.
- Does not adversely affect surface condition.
- Imparts high thixotropic properties without excessive viscosity build-up.
- Liquid form allows for easy incorporation.

APPLICATION

DISPARLON AQ-021 can be used in a wide range of water-borne coating systems and is particularly suited for emulsion and dispersion coatings.

INCORPORATION

Addition levels

0.5–3.0 wt% on total formulation.

Method

Can be added at any production stage.
Post-addition at the final production stage with a dissolver is recommended.
Maintain temperature between room temperature and 40 °C during dispersing.
Adjust the pH of the coating solution to above 7.5 with a basic compound.

STORAGE

Turbidity or precipitation may occur at low temperatures. In this case, warm the product above 20 °C and stir thoroughly before use.

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