

DISPARLON

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November 2020

DISPARLON AQ-870

(Rheology control agent for waterborne systems)

DISPARLON AQ-870 is a rheology control agent composed of a polyamide. DISPARLON AQ-870 forms a network structure by interacting with paint components in a coating system, prevents settling and hard caking, and improves pigment orientation. Unlike general waterborne thickeners, DISPARLON AQ-870 can provide high thixotropic property without excess viscosity increasing.

ADVANTAGES

- Excellent anti-settling property
- Imparts high thixotropic property without excess viscosity increasing
- Easy incorporation

APPLICATIONS

DISPARLON AQ-870 can be used in a wide range of waterborne coating systems.

INCORPORATION

Additive levels : 1.0~6.0% by wt. on total formulation.

Method : Can be added at each production stage. Post-addition at a final production stage with a dissolver is recommended.

Keep temperature from a room temperature up to 40°C during dispersing.

TYPICAL PROPERTIES

Appearance	Yellow liquid
Active matter	15% by wt.
Amine	N, N-dimethylethanolamine
Solvent	Water / 2-ethylhexylalcohol
Acid value	9.1

STORAGE

- Keep from freezing. Freezing causes degradation of quality and performance.
- At low temperature (below 10°C), this product loses the fluidity and becomes paste form. In this case, heat at 50°C or more and fluidize again before use.



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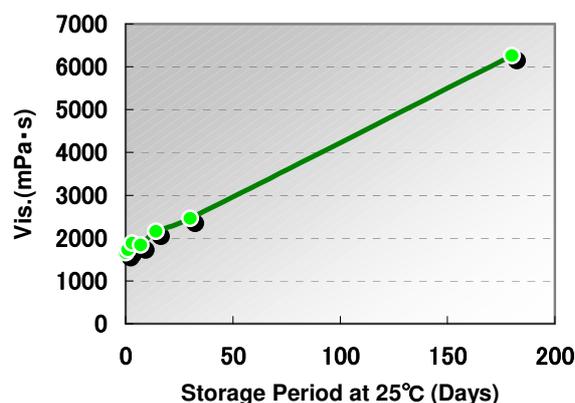
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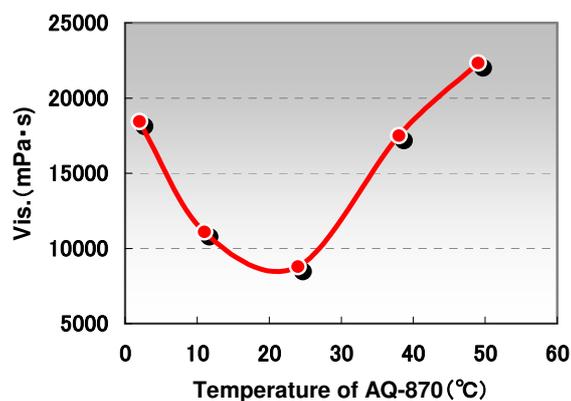
INSTRUCTION

Product's Viscosity

The viscosity of this product gradually increases during storage (Graph 1), and is temperature depending (Graph 2). Storage at around 25°C is recommended to get lower viscosity.



Graph 1



Graph 2

Flow property

At low temperature (below 10°C), this product loses the fluidity and becomes paste form. In this case, heat at 50°C or more for about 24 hours to fluidize it again.

	Storage (days)					
	0	1	3	7	14	30
Viscosity at 0°C (mPa·s)	1656	>10000	>10000	>10000	Not flowable	Not flowable
Viscosity at 10°C (mPa·s)	1656	4190	4310	4750	5720	7620
Viscosity at 20°C (mPa·s)	1656	2220	2300	2450	2670	3070

*Brookfield Viscometer



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