

Additives for coatings and printing inks
DISPARLON®

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DISPARLON® AQ-D391
(Dispersant for water-borne systems)

DISPARLON® AQ-D391 is a pigment wetting/dispersing agent composed of a polyether-modified polycarboxylic acid and is highly effective for dispersing organic/inorganic pigments such as carbon black and titanium dioxide. **DISPARLON® AQ-D391** reduces the viscosity of high pigment loading systems and improves color strength and DOI. A well-dispersed pigment paste can be obtained easily by dispersing the mixture of **DISPARLON® AQ-D391**, pigments and water in a sand mil.

ADVANTAGES

- Excellent pigment wetting and dispersing properties
- Effective for a wide range of pigments and fillers
- Improves gloss, DOI, color strength and hiding power

APPLICATIONS

DISPARLON® AQ-D391 can be used in a wide range of water-borne coatings.

DISPARLON® AQ-D391 can be used for various water-borne inks such as inkjet inks, gravure inks, and flexographic inks.

INCORPORATION

- Additive levels : 2.5 – 25 wt% for inorganic pigments and body pigments
25 – 100 wt% for organic pigments and carbon black
The optimal additive level should be determined under an actual use condition.
- Method : Addition at a grinding/dispersing stage is recommended.

TYPICAL PROPERTIES

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

Appearance	Light yellow to dark brown liquid
Active matter	40 %
Acid value	11
Solvent	Water



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