

Additives for coatings and printing inks  
**DISPARLON®**

December 2023

## DISPARLON® AQ-D400

(Pigment wetting / dispersing agent for waterborne systems)

DISPARLON® AQ-D400 is a pigment wetting / dispersing agent composed of an acidic acrylic polymer neutralized with amine, and is highly effective for dispersing organic / inorganic pigments such as carbon black and titanium oxide. DISPARLON® AQ-D400 reduces the viscosity of high pigment loading systems and improves color strength and DOI. A well-dispersed pigment paste can be obtained easily by adding the DISPARLON® AQ-D400 to pigments and water, pre-dispersing, and then dispersing in a sand mill.

### 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-D400 can be used in a wide range of waterborne coatings.

DISPARLON® AQ-D400 can be used for various waterborne inks such as inks for food packaging, inkjet inks, gravure inks, and flexographic inks.

### INCORPORATION

- Additive levels : 3 – 30 wt% for inorganic pigments and body pigments  
40 – 130 wt% for organic pigments and carbon black  
The optimal levels, however, should be determined by your laboratory tests.
- Method : Addition at a grinding/dispersing stage is recommended.

### TYPICAL PROPERTIES

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

Compositions	Acrylic polymer · amine
Appearance	Light yellow to yellow liquid
Non-volatile matter	30 %
Solvent	Water
Acid value	54
Amine value	56



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