Kusumoto Chemicals, Ltd.

DISPARLON® FCD-155

Pigment Wetting/Dispersing Agent for Water-borne Systems

TECHNICAL DATA SHEET
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DISPARLON® FCD-155 is a pigment wetting and dispersing agent based on a base-neutralized acidic acrylic polymer, which is highly effective for dispersing organic and inorganic pigments such as carbon black and titanium dioxide.
DISPARLON® FCD-155 reduces the viscosity of high-pigment-loading systems and improves color strength and distinctness of image (DOI). A well-dispersed pigment paste can be obtained easily by adding DISPARLON® FCD-155 to pigments and water, followed by pre-dispersing and subsequent sand milling.

TYPICAL PROPERTIES

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

Compositions	Acrylic polymer, KOH
Appearance	Clear to yellow liquid
Active matter	25 wt%
Solvent	Water
pH	7.5

ADVANTAGES

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

APPLICATION

DISPARLON® FCD-155 can be used in a wide range of water-borne coatings.
DISPARLON® FCD-155 can be used for various water-borne inks such as inks, including food packaging, inkjet inks, gravure inks, and flexographic inks.

INCORPORATION

Addition levels

4–40 wt% for inorganic pigments and body pigments
40–160 wt% for organic pigments and carbon black
The optimal additive levels should be determined under actual use conditions.

Method

Addition during the grinding/dispersing stage is recommended.

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