

Disponer 983

Wetting and Dispersing Agent

DESCRIPTION

Disponer 983 is a polymeric wetting and dispersing agent for carbon black pigment in medium polar system.

TYPICAL PROPERTIES

These values are used as reference. For detailed product specifications, please contact our distributor or sales department.

Composition	: high molecular weight polymer
Appearance	: slight brown liquid
Non-volatile content	: 52.5 - 54.5%
Solvent	: Xylene / Butyl acetate
Specific gravity	: 0.95 - 0.99
Acid value	: <5 mg KOH/g
Refractive index	: 1.47 - 1.48 (25°C)

FEATURES

- When compared to conventional dispersing agents, Disponer 983 is characterized by its multi-pigment-affinic groups, strong adsorption and thick barrier, especially in preventing dispersed pigments from re-flocculation.
- Disponer 983 does not affect adhesion, water resistance, hardness and weather resistance.
- To improve the wetting of pigments, lowers surface tension between vehicle and pigments, therefore reduced grinding time and lower dispersion viscosity are achieved.
- Finished paint with addition of Disponer 983 shows good colour development, hiding power, gloss and evenness.
- Be suitable for medium to high polarity solvent based system.

APPLICATIONS

- alkyd, polyester / melamine
- acrylic / melamine
- polyester polyurethane
- PU coating
- gravure printing inks / screen printing inks

DOSAGE & USE

- Carbon black : 20 - 80% base on pigment.
- Disponer 983 should be incorporated in the mixture of solvent, then adding pigment finally is resin, resin prior to the pigment.
- Due to the variation of surface and oil-absorption characteristics of pigments as well as compatibility of dispersing agent in each coating systems, it is suggested to test at various dosages on pigment to obtain optimum results.

PACKAGE

Net Weight: 200 kg / 25 kg

STORAGE

- Keep away from sources of ignition and heat.
- Keep container tightly closed in a dry and well-ventilated place.
- In storage, the appearance of Disponer 983 may become haze or settling, please filter before use.
- Stored between 0°C and 40°C.
- Below 5°C, appearance may be cloudy or separation, please heat to clear than stir to uniform.

The data presented is the result of careful and extensive research. However, since the actual conditions under which the materials may be used are beyond our control, no warranty of any kind, expressed or implied, concerning the use of the products is made.

- It sensitive to moisture and should therefore be stored in its sealed original containers.

SAFETY

- As it contains a solvent, the product requires special care in handling.
- void eye and skin contact.
- For further information please check MSDS.