

Wetting and Dispersing Agent

GENERAL INFORMATION

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

PHYSICAL PROPERTIES

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	1.486 - 1.496 (25°C)

APPLICATIONS

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

KEY PROPERTIES

- 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.

INCORPORATION

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.

LEVELS OF USE

Carbon black : 20 - 80% base on pigment.

HANDLING AND SAFETY

- As it contains solvents, the product requires special care in handling.
- Avoid any eye and skin contact.
- For further information please check to MSDS.

STORAGE RECOMMENDATIONS

- 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 hazy or settling, please filter before use.
- Stored between 0°C to 40°C.

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B01 Jan-10

- Below 5°C, appearance may be cloudy or separation, please heat (water bath) to clear then stir to uniform.
- It sensitive to moisture and should therefore be stored in its sealed original containers.

PACKAGING

Net Weight: 200 kg / 25 kg

SHELF LIFE

Disponer 983 has a shelf life of 18 months from date of manufacture

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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