

Rheology Modifier

GENERAL INFORMATION

DeuRheo 219 is a special polyamide wax dispersion, which prevents pigment or filler settling and sagging.

PHYSICAL PROPERTIES

Composition	polyamide wax
Appearance	slight yellow soft paste
Non-volatile content	19 - 21 %
Solvent	xylene and alcohols
Specific gravity	ca. 0.89

APPLICATIONS

- solvent-based coatings
- solvent-based ink
- sealers
- UV curing

KEY PROPERTIES

- Minimum effect on film gloss and less seeding tendency.
- Imparts strong thixotropic properties and anti-sagging effect than conventional additives especially in high film-build coatings.
- Micaceous iron oxide, zinc dust and anti-corrosive pigments, the sedimentation is easy to re-disperse.
- To enhances flake orientation of metallic and pearlescent pigments.
- High speed disperser is sufficient to incorporate this additive.
- Processing temperature ranging from 20 to 40°C.

INCORPORATION

- Pre-mix of DeuRheo 219 with solvent and binder is recommended to achieve desired thixotropic structure.
- Use a high-speed mixer to incorporate DeuRheo 219 into a mixture of solvent and binder with peripheral speed 4 m/sec or higher. (Within 60 min. and 40°C, prefer 25 - 35°C and 30 - 40 min.).
- Ensure complete dispersion of the additive and prevent over-grinding.
- Can be used in solvents such as xylene, toluene, butyl glycol, butanol, butyl acetate etc.
- The product should be tightly closed, otherwise it would appearance crusting or dry up, please remove it, in order to get the good results.

LEVELS OF USE

1.0 - 5.0 % based on total formulation.

Alkyd resin	1 - 3 %
Epoxy paint	2 - 5 %
Chlorinated rubber paint	2 - 5 %
Acrylic resin paint	1 - 2 %
PU	1 - 3 %
Unsaturated Polyester	1 - 3 %
UV curable system	1 - 3 %

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 MSDS.

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B01 Sep-11

STORAGE RECOMMENDATIONS

- Keep away from sources of ignition and heat.
- Keep container tightly closed in a dry and well-ventilated place.
- Stored between 0°C to 40°C (use it when temperature goes back to 25°C).
- Packaging not to be exposed directly under heat radiation.

PACKAGING

Net Weight: 15 kg

SHELF LIFE

DeuRheo 219 has a shelf life of 12 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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