

## DeuRheo 219

### Rheological Additive

#### GENERAL INFORMATION

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

#### CHEMICAL & PHYSICAL PROPERTIES

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

These are typical properties not to be used for specification purposes.

#### 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 %

#### HEALTH AND SAFETY

As it contains solvents, the product requires special care in handling.

Avoid any eye and skin contact.

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

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## DeuRheo 219

### STORAGE RECOMMENDATIONS

Keep away from sources of ignition and heat, as well as 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.

### 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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