

DeuRheo 229

Rheological Additive

GENERAL INFORMATION

DeuRheo 229 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. 0.88

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

APPLICATIONS

- Solvent-based coatings
- Solvent-based inks
- Sealers
- UV curing

KEY PROPERTIES

- 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 229** with solvent and binder is recommended to achieve desired thixotropic structure.

Use a high-speed mixer to incorporate **DeuRheo 229** 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

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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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 20 °C to 40 °C (you may sometimes find out tiny opaque particles in your paint when storage temperature is under 20 °C, and the issue will be more serious as the temperature further goes down. In order to get rid of such particles, it is suggested that you warm up **DeuRheo 229** at around 35 - 40 °C overnight before you use it).

Packaging not to be exposed directly under heat radiation.

SHELF LIFE

DeuRheo 229 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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