

## DeuRheo 209

### Rheological Additive

#### GENERAL INFORMATION

**DeuRheo 209** is a special polyamide wax dispersion, which prevents pigments or fillers setting 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
- UV curing
- Sealers

#### 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 redisperse.
- To enhances flake orientation of metallic and pearlescent pigments.
- Processing temperature ranging from 20 to 40 °C.

#### INCORPORATION

Pre-mix of **DeuRheo 209** with solvent and binder is recommended to achieve desired thixotropic structure.

Use a high-speed mixer to incorporate **DeuRheo 209** 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.

#### 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 after return to 25 °C).

Packaging not to be exposed direct heat radiation.

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### SHELF LIFE

**DeuRheo 209** 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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#### North America

Elementis  
469 Old Trenton Road  
East Windsor  
NJ 08512, USA  
Tel.: +1 609 443 2500  
Fax: +1 609 443 2422

#### Europe

Elementis UK Ltd.  
c/o Elementis GmbH  
Stolberger Strasse 370  
50933 Cologne, Germany  
Tel.: +49 221 2923 2066  
Fax: +49 221 2923 2011

#### Asia

Deuchem (Shanghai) Chemical Co., Ltd.  
99, Lianyang Road  
Songjiang Industrial Zone  
Shanghai, China 201613  
Tel.: +86 21 5774 0348  
Fax: +86 21 5774 3563