

## DeuRheo WT-105A

### Waterborne Rheological Additive

#### GENERAL INFORMATION

**DeuRheo WT-105A** is an waterborne associative thickener based on polyurethane. Provide thickening and flowing.

#### CHEMICAL & PHYSICAL PROPERTIES

Composition	polyether polyurethane
Appearance	slight yellow slight hazy liquid
Non-volatile content	48 - 52 %
Solvent	ethylene glycol monobutyl ether / water
Specific gravity	ca 1.02
Dynamic viscosity	≤14,000 cP (25 °C)

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

#### APPLICATIONS

- Textile printings
- Latex paints
- Adhesives
- Inks
- Waterborne paints
- Leather finishes

#### KEY PROPERTIES

- To increase medium shear viscosity to improve flow and leveling.
- To reduce roller spatter, brush marks.
- Thickening behaviour is not affected by pH value.
- Excellent resistance to bacterial degradation.
- Less influence on gloss and water resistance.

#### INCORPORATION

A combination of **DeuRheo WT-105A** with other rheology modifier, can be to obtain good rheology. When **DeuRheo WT-105A** viscosity is high, can be pre-dilute with co-solvent, like ethylene glycol monobutyl ether.

#### LEVELS OF USE

0.1 - 2.0 % based on total formulation.

It is recommended to test according to system composition and the rheology required.

#### 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.

#### 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 5 °C to 40 °C.

Below 5 °C, appearance may be gel or seed, please heat (water bath) to clear then stir to uniform.

#### SHELF LIFE

**DeuRheo WT-105A** 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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