

DeuRheo WT-113

Waterborne Rheological Additive

GENERAL INFORMATION

DeuRheo WT-113 is a highly efficient alkali swellable acrylic associate thickener (HASE). It improves anti-sagging and anti-setting properties in waterborne system.

CHEMICAL & PHYSICAL PROPERTIES

| | |
|----------------------|-------------------------|
| Composition | anionic-polyacrylate |
| Appearance | milky to pink liquid |
| Non-volatile content | 29 - 31 % |
| Solvent | water |
| Specific gravity | ca.1.04 |
| Viscosity | ≤ 20 cP (25 °C) |
| pH value | 3.0 - 5.0 (as received) |

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

APPLICATIONS

- Latex paints
- Waterborne coatings
- Textile printings
- Adhesives

KEY PROPERTIES

- To provide high viscosity at low to medium shear rate
- To improve anti-sagging and anti-setting properties
- Good compatibility with generally waterborne resin
- To be compared with HEC, **DeuRheo WT-113** has good gloss and spatter resistance
- **DeuRheo WT-113** provides thickening effect in condition of alkalinity
- APEO (alkyl phenol ethoxylate)-free and solvent free

INCORPORATION

DeuRheo WT-113 is suitable for various rheology properties with HEC or HEUR thickener.

Formulate thinner **DeuRheo WT-113** with water (1/1 - 1/5 by weight), stirring to uniform then adding to binder system, to adjust pH value (7.5 - 10.0) with alkali (like DMAE or MA-95).

LEVELS OF USE

0.1 - 2.0 % based on total formulation.

HEALTH AND SAFETY

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.

Stored between 5 °C to 40 °C.

SHELF LIFE

DeuRheo WT-113 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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V01 Feb. 2018

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