

RHEOTECH™ 3500

Acrylic associative thickener for water-based systems

HASE Acrylic Thickener

TYPICAL CHARACTERISTICS

Nature	Aqueous dispersion of an acrylic copolymer
Appearance	Low viscous white milky liquid
Solid Content (%)	30
Active Content (%)	30
pH	3
Specific gravity	1.06
Solvent	Water

DESCRIPTION

Rheotech™ 3500 is highly recommendable for the rheology adjustment of semi-gloss and matt dispersion paints. It provides an improved rheological behaviour to semi-gloss and matt dispersion paints. Thanks to its associative character, It is also highly effective at medium and high shear rates. In particular, it is the ideal tool in order to match a given Storrmer viscosity (medium shear viscosity). Therefore, compared to cellulosic ethers, it provides both better in-can appearance and coating properties: the better control of the medium shear viscosity allows to reinforce the in-can consistency, thus the perceived quality of the paint. It can be used in combination with other thickeners, either those effective at low shear rates (e.g cellulosic ethers and acrylic thickeners such as Viscoatex™ 730 or Thixol™ 53 L), or those providing a Newtonian rheology (e.g polyurethane thickeners such as Coapur™ 3025).

RECOMMENDED ADDITION LEVEL

As sole thickener in matt dispersion paints or combined with a Newtonian thickener in all types of formulations: 0.1 to 0.6%, dry on total formulation weight. Combined with a low shear effective thickener in high PVC dispersion paints: 0.1 to 0.4%, dry on total formulation weight.

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC
- 200L Drum

HANDLING & STORAGE

It can be irreversibly altered by frost. It should be protected from the effects of weathering and stored between 5 and 40°C and protected from direct sun exposure.

Once opened, packaging should be resealed immediately after use. In these conditions, this product should be used within 6 months from delivery. Film-forming product, surface may dry in contact with air. A slight sedimentation can be visible at the bottom of drums or totes. This phenomenon is normal and has no impact on the use and level of performance as long as the solids content of the product meets the specification. If necessary, filter the product prior to its use. In these conditions, this product should be used within 6 months from delivery.

PROCESSING INSTRUCTIONS

Rheotech™ 3500 is liquid, low viscous and ready to use. It should be preferably added after the binder incorporation, at the end of formulation. Such a postaddition allows a better control of the final viscosity.

MARKET

Coatings & Inks

- Architectural Coating
- Graphic Arts
- Industrial Coating
- Textile & Leather Coating

KEY BENEFITS

FORMULATION

- **Color acceptance**
- **Cost in use**
- **Easy handling**



STORAGE

- **Syneresis resistance**
- **In-can appearance**
- **Antisettling**
- **Viscosity stability**



APPLICATION

- **Tinting resistance**
- **Brushability**
- **Dilution resistance**



FILM PROPERTIES

- **Hiding power/Opacity**
- **Rub out**
- **Stain resistance**



THICKENING MECHANISM

Non Associative
Self Association



VISCOSITY CONTRIBUTION

Low Shear contribution
Mid Shear contribution



PVC

PVC High
PVC Mid

