

RHEOTECH™ 2605

Acrylic associative thickener for water-based systems

HASE Acrylic Thickener

TYPICAL CHARACTERISTICS

Nature	Aqueous dispersion of an acrylic copolymer
Appearance	Viscous liquid
Solid Content (%)	15
Active Content (%)	15
pH	8
Brookfield viscosity (mPa.s)	8000
Specific gravity	1.04
Neutralization type	Ammonium
Solvent	Water

DESCRIPTION

Ready to use associative acrylic thickener for water-based systems. Rheotech™ 2605 is an associative thickener providing a Newtonian to balanced rheology profile.

Rheotech™ 2605 is neutralized as a 15% gel in water using ammonium hydroxide. Rheotech™ 2605 offers outstanding effectiveness in presence of various types of binders, therefore contributing to reduce thickening costs for most water based formulations. It limits the need for extreme high shear viscosity raise, to the benefit of ease and comfort of application, thanks to its superior effectiveness at medium shear rates. Rheotech™ 2605 is combining the benefits of a HASE type thickener with the flow & levelling behaviour of a polyurethane (HEUR) thickener.

RECOMMENDED ADDITION LEVEL

Rheotech™ 2605 can be used alone in high to low PVC formulations, e.g., one coat matt, satin, semi-gloss and gloss paints, at concentrations between 0.1 and 1% (dry on total formulation weight, typically), or in combination with low shear effective thickeners (e.g. HEC type thickeners) at lower concentrations (between 0.1 to 0.6%).

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC

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.

PROCESSING INSTRUCTIONS

Rheotech™ 2605 is already neutralized as a gel and therefore ready and easy to use, ideally designed for post addition or use in mill bases.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

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



APPLICATION

- **Tinting resistance**
- **Dilution resistance**
- **Film build**



FILM PROPERTIES

- **Hiding power/Opacity**
- **Rub out**
- **Gloss**



THICKENING MECHANISM

Associative
Non Associative
Self Association



VISCOSITY CONTRIBUTION

High Shear contribution
Low Shear contribution
Mid Shear contribution



PVC

PVC High
PVC Mid
PVC Low

