

## RHEOLATE<sup>®</sup> HX 6010

### Efficient High Shear Nonionic Synthetic Associative Thickener (NiSAT) With Exceptional Application Properties

#### GENERAL INFORMATION

**RHEOLATE HX 6010** is a 21% active solids, nonionic synthetic associative thickener for aqueous applications. It is designed as a Newtonian high-shear (ICI) builder for low and zero VOC paints. Excellent efficiency is achieved with hydrophobic resins.

**RHEOLATE HX 6010** provides superior application properties for uniform film build, improved hiding and superior coverage and ease of application. These benefits are combined with excellent sag and leveling. The product also contributes to great color properties with reduced color float and good color rub up results.

**RHEOLATE HX 6010** is APEO, VOC, and tin-free. It is designed for water based decorative paints but can also be used in other water based systems including inks, textile coatings, adhesives and sealants. The product is a pourable and pumpable liquid

#### CHEMICAL & PHYSICAL PROPERTIES

Composition	polyurethane solution in water
Appearance	opaque liquid
Active content (by weight)	21 %
Specific Gravity	1.05
Viscosity (cps)	< 3000
pH	6
VOC (ASTM D 6886-03)	< 0.01 %

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

#### APPLICATIONS

- High quality, zero to low VOC deco paints
- Water based adhesives and sealants
- Industrial water based coating systems
- Waterborne inks

#### KEY PROPERTIES

- High efficiency high shear (ICI) builder
- Outstanding application properties
- Compatible in all resin systems and especially efficient with acrylic and styrene acrylic resins
- Excellent balance of sag and leveling
- No contribution to mid-shear (KU) viscosity
- Excellent color properties
- Zero VOC
- Ease of use
- Good storage stability

#### INCORPORATION

**RHEOLATE HX 6010** can be used as supplied or, if necessary, further diluted with water. Addition can take place at any time during the manufacturing process but incorporation into the mill base before letdown is recommended. **RHEOLATE HX 6010** can be combined with other associative rheological additives, clay based thickeners or cellulosic thickeners for higher package viscosity.

#### LEVELS OF USE

Typical use levels of **RHEOLATE HX 6010** are 0.3 % to 3.0 % (thickener solids weight) on total system weight.

#### 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

**RHEOLATE HX 6010** should be kept above 4 °C (40 °F). In the event of accidental freezing, thaw gently, spread a portion between glass slides and examine for granules. If found, do not use.

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### SHELF LIFE

RHEOLATE HX 6010 has a shelf life of 2 years 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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