

## RHEOLATE® HX 6030

Nonionic Synthetic Associative Thickener (NiSAT) for waterborne system

### GENERAL INFORMATION

**RHEOLATE® HX 6030** is a nonionic urethane associative thickener with improved thickening efficiency without compromising performance properties.

It's excellent flow, leveling and sag resistance is achieved by its balanced Newtonian rheology flow profile.

**RHEOLATE® HX 6030** is designed to replace conventional medium to high shear rheology modifiers without affecting the benefits of the system.

**RHEOLATE® HX 6030** can be used in the VOC free premium as well as in conventional coatings formulated at different sheen levels. It can be used as a sole thickener or in combination with other thickeners for optimal brush and roller application properties.

It is designed for use in water-based paints and other waterborne systems including inks, textile coatings, adhesives and sealants.

The product is a pourable and pumpable liquid.

### CHEMICAL & PHYSICAL PROPERTIES

Composition	Polyether Polyurethane Thickener
Appearance	Opaque liquid
Active Content	17.5%
Specific Gravity	1.04
Viscosity, cPs	< 4000

These are typical properties not to be used for specification purposes

### APPLICATIONS

- Premium Zero to Low VOC latex paints
- Conventional latex paints
- Waterborne adhesives
- Waterborne inks
- Waterborne sealants

### KEY PROPERTIES

- High efficiency
- Excellent balance of sag and leveling
- APEO, VOC and Tin free
- Good storage stability
- Low odor
- Can be used in low sheen to high gloss enamels
- Can be used over a broad pH range
- Compatible with multiple resin chemistries
- Smaller particle size resin will have a stronger association than large particle size resin
- Pourable liquid for ease of addition
- Does not detract from gloss or wet adhesion

## RHEOLATE® HX 6030

### INCORPORATION

**RHEOLATE® HX 6030** can be used as supplied or, if necessary, further diluted with water. Addition can take place at any stage during the paint manufacturing process but adding in the letdown stage after the binder is recommended. It should be added under good mixing conditions to ensure complete incorporation in the system.

**RHEOLATE® HX 6030** can be combined with other associative rheological additives, clay-based thickeners or cellulosic thickeners.

**RHEOLATE® HX 6030** is an associative rheology modifier and is generally more efficient as the particle size of the latex decreases. This is due to the increased surface area of such latexes. It is important to assess the effectiveness of **RHEOLATE® HX 6030** in the complete system where performance can also be affected by other paint ingredients.

### LEVELS OF USE

Typical use levels of **RHEOLATE® HX 6030** are 1.5% to 2.5% on total paint weight. Use levels are system dependent and should be tested to determine the most suitable dosage for use.

### COMPATIBILITY

**RHEOLATE® HX 6030** exhibits excellent compatibility with other associative rheological

additives, clay-based thickeners, or cellulosic thickeners for desired rheology. Compatible with most water-based resin systems.

### HEALTH & SAFETY

Before using this product, please consult Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

### SHELF LIFE

**RHEOLATE® HX 6030** has a shelf life of 24 months from date of manufacture.

### STORAGE RECOMMENDATIONS

**RHEOLATE® HX 6030** 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.

Store in a cool dry place.

### QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

### SUSTAINABILITY

**RHEOLATE® HX 6030** is a waterborne material, it is an environmentally friendly, APEO-free, VOC-free, and Tin-free product.

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