

RHEOLATE[®] HX 6010 IF

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

GENERAL INFORMATION

RHEOLATE HX 6010 IF is a 21% active solids, nonionic synthetic associative thickener for aqueous applications. It is free of isothiazolinone type of preservatives. 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 IF 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 IF 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 IF 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 IF** 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 IF** 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 IF 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 IF has a shelf life of 2 years from date of manufacture and when stored in unopened packaging.

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.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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