

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

PHYSICAL PROPERTIES

Composition	polyurethane solution in water
Appearance	Opaque Liquid
Active Solids (by weight)	21%
Specific Gravity	1.05
Viscosity (cps)	< 3,000
pH	~ 6
VOC (ASTM D 6886-03)	<0.01%

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.

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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REGULATORY

For the most current regulatory status, please refer to the MSDS for RHEOLATE[®] HX 6010.

HEALTH AND SAFETY DATA

Detailed information on handling and safety could be found in the material safety data sheet. Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.

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.

PACKAGING

RHEOLATE[®] HX 6010 rheological additive is available in totes and bulk packaging. Please contact your local Elementis Specialties representative for other packaging configurations.

SHELF LIFE

RHEOLATE[®] HX 6010 has a shelf life of 24 months 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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