

## Nonionic Synthetic Associative Thickener for Coatings

### GENERAL INFORMATION

RHEOLATE<sup>®</sup> HX 6050 is a 25 % active solids, nonionic synthetic associative thickener for aqueous applications. It is designed as a highly efficient, high-shear (ICI) builder for low and zero VOC paints. It is especially efficient in VAE and PVA latexes.

RHEOLATE<sup>®</sup> HX 6050 is APEO, VOC, and tin-free. It can be used in emulsion paints and other waterborne 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)	25 %
Specific Gravity	1.05
Viscosity (cps)	< 3,000
pH	6.5 – 8.0

### APPLICATIONS

- High quality, Zero to Low VOC latex paints
- Water base adhesives
- Waterborne inks
- Waterborne sealants

### KEY PROPERTIES

- High efficiency high shear (ICI) builder
- Excellent balance of sag and leveling
- Zero VOC
- Ease of use
- Good storage stability

### INCORPORATION

RHEOLATE<sup>®</sup> HX 6050 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<sup>®</sup> HX 6050 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<sup>®</sup> HX 6050 are 0.3 % to 1 % (thickener solids weight) on total system weight.

### HANDLING AND SAFETY

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage.

### STORAGE RECOMMENDATIONS

RHEOLATE<sup>®</sup> HX 6050 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<sup>®</sup> HX 6050 rheological additive is available in totes and bulk packaging. Please contact your local Elementis Specialties representative for other packaging configurations.

*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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## **SHELF LIFE**

RHEOLATE® HX 6050 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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