

Nonionic Synthetic Associative Thickener for Coatings

GENERAL INFORMATION

RHEOLATE[®] 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[®] 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[®] 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[®] 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[®] HX 6050 are 0.3% to 1% (thickener solids weight) on total system weight.

REGULATORY

For the most current regulatory status, please refer to the MSDS for RHEOLATE[®] HX 6050.

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 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[®] HX 6050 rheological additive is available in totes and bulk packaging. Please contact your local Elementis Specialties representative for other packaging configurations.

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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