

RHEOLATE® HX 6050 IF

Nonionic Synthetic Associative Thickener for Coatings

GENERAL INFORMATION

RHEOLATE HX 6050 IF 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 can also be used as a mid-shear (KU) builder depending on the paint formulation. It is especially efficient in VAE, VINA VEOVA, and PVA latexes, and styrene acrylic.

RHEOLATE HX 6050 IF is very low VOC, biocide free and 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.

CHEMICAL & PHYSICAL PROPERTIES

Composition	polyether polyurethane resin solution in water
Appearance	opaque Liquid
Active Solids (by weight)	25 %
Specific Gravity	1.05
Viscosity (cps)	1000 - 3000

These are typical properties not to be used for specification purposes.

APPLICATIONS

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

KEY PROPERTIES

- High efficiency high shear (ICI) builder
- Mid shear (KU) builder – system dependent
- Excellent balance of sag and leveling
- Zero VOC; Biocide Free
- Ease of use
- Good storage stability

INCORPORATION

RHEOLATE HX 6050 IF can be used as supplied or, if necessary, further diluted with water. Addition can take place at any time during the formulation manufacturing process but incorporation into the mill base before letdown is recommended.

RHEOLATE HX 6050 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 6050 IF** are 0.3% to 1% (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 6050 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.

SHELF LIFE

RHEOLATE HX 6050 IF has a shelf life of 2 years from date of manufacture.

QUALITY ASSURANCE

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

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North America
Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe
Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Asia
Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563