

RHEOLATE[®] 288

Associative Thickener for Clear-Coat Systems

GENERAL INFORMATION

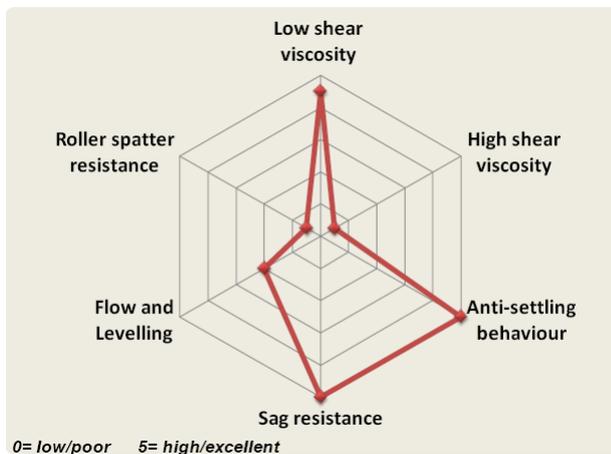
RHEOLATE 288 is a rheological additive designed specifically for waterborne clear-coat systems.

RHEOLATE 288 is a highly efficient polyether polyurethane associative thickener.

It provides exceptional clarity compared with many conventional associative thickeners that often cause hazing, stability or print resistance problems.

RHEOLATE 288 is highly efficient compared to conventional associative thickeners in the mid-shear rate viscosity range (Brookfield, Stormer, Ford Cup, Zahn Cup). It also provides a high shear thinning index which makes it ideal for spray and dip coat applications as well as traditional brushing.

RHEOLATE 288 is a 25 % active solution designed for use in latex emulsions, dispersions and water reducible clear-coats and high gloss pigmented systems. Primary applications include: wood furniture, kitchen cabinet, wood fixtures, appliance enamels and other applications where high gloss and clarity are required.



CHEMICAL & PHYSICAL PROPERTIES

Appearance	translucent off-white to white Liquid
Active Solids	25%
Total Solids	25%
Specific Gravity	1.04
Brookfield Viscosity cps	<4,000 (Brookfield RVT, 20 rpm Spindle 4, 25°C)
Solvent	water and butyldiglycol

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

APPLICATIONS

- Spray, dip and curtain coatings
- Wood clear-coats
- Wood floor coatings
- Metal top coats
- High gloss coatings/clear-coat finishes requiring highly efficient shear thinning flow

KEY PROPERTIES

- Exceptional clarity in clear-coats
- Highly efficient viscosity build at low and medium shear rates
- Shear thinning (pseudoplastic) flow giving excellent high-shear rate application performance, i.e. spray, brush, roller coat, blade coat
- Good flow and leveling
- Cost effective compared to conventional urethane associative thickeners
- pH independent

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INCORPORATION

RHEOLATE 288 is a pourable liquid and can be incorporated at any point in the formulation in most systems. Liquid associative thickeners are usually post-added for convenience. Generally, they do not require dilution or pH adjustment as is often the case with cellulosic or alkali swellable thickeners.

In sensitive systems or under low shear mixing conditions, further dilution with glycol or water may facilitate uniform incorporation.

LEVELS OF USE

The typical level of use of **RHEOLATE 288** is between 0.2 and 2.0 % (as delivered) by weight of the total formulation.

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 288 should be kept above 4 °C (40 °F).

In the event of accidental freezing, thaw gently, spread a portion between clean glass slides and examine for granules. If found, do not use.

SHELF LIFE

RHEOLATE 288 has a shelf life of 2 (two) years 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.

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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