

Product Information

Product Name:Rheology Modifier T20

T20 is a nonionic hydrophobically modified ethylene oxide urethane (HEUR) rheology modifier designed for waterborne architectural and functional coatings. The product contains no solvent and is a low odor, APEO and OrganoTin free one.

T20 offers a near Newtonian rheology profile. It is an excellent flow/leveling reagent and is particularly suitable with small particle sizes of latex emulsions such as acrylic and styrene-acrylic binders.

T20 is highly efficient for high shear ICI viscosity and improves the film formation property. T20 is recommended to be used in interior and exterior paints, and provides superior flow and leveling, film formation, gloss development and high shear ICI viscosity.

Features and Benefits:

- Low odor, solvent free for low VOC applications
- APEO and OrganoTin free, an environmental friendly product
- Excellent roller application, high ICI viscosity
- Builder for uniform film formation, spatter resistance
- Excellent flow and leveling, excellent application hiding and full gloss development
- Supplied as low viscosity liquid, easy to handle and incorporate at any stage during latex paint manufacturing process
- Bio-stable and resistant to microbial attack

Typical Physical Properties:

Item	Range
Chemical type	Nonionic HEUR
Appearance	Hazy liquid
Solids, weight %	20
Carrier	Water
As supplied viscosity, cP	2500 - 4500
Density, lb/gallon	8.6-8.8

* Data presented above are typical values and should not be construed as specifications

Dosage and Incorporation :

Typical use levels can vary from 0.5 to 2.0% of paint, depending on the system being thickened and the rheological performance desired. Under normal conditions, a higher usage level results in a higher ICI viscosity and a better film formation. Although T20 is typically added to the letdown, it could be incorporated at any stage of the paint manufacturing process. When T20 is used together with T50 or T80, T20 should be added first to ensure a quick and smooth evolution of thickening efficiency.



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Application:

T20 can be used in a variety of latex paint formulations, and is fully compatible with other rheology modifiers. In particular, using T50 or T80 with T20 will increase low-shear viscosity and often provide the optimum balance of high- and low-shear viscosity in flat through gloss formulations.

T20 can be a sole thickener when used in semi-gloss to high gloss latex paints based on small particle size hydrophobic acrylic and styrene/acrylic binders.

Storage

Subject to appropriate storage under the usual storage and temperature conditions, this product is durable for 24 months.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

When considering the use of any Rickman product in a particular application, you should read and understand our Safety Data Sheet (SDS) before using this product and ensure that the use you intend can be conducted safely. Rickman sends SDS with shipment of all of our products. The SDS contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products.