



Product Information

Product Name:Rheology Modifier T50

T50 is a high solids and nonionic hydrophobically modified ethylene oxide urethane (HEUR) rheology modifier designed for waterborne architectural, industrial and functional coatings. It is APEO and OrganoTin free.

T50 is highly efficient for building KU viscosity and is compatible with acrylic, styrene-acrylic and vinyl-acrylic latexes, and can be used in interior and exterior paints, and provides alkyd-like flow and leveling, film formation, water resistance, excellent spatter resistance and high gloss development.

Features and Benefits:

Good in-can appearance, high KU efficiency

APEO and OrganoTin free, an environmental friendly product

Excellent flow and leveling, uniform film formation and spatter resistance

Water resistant, excellent application hiding and full gloss development

Supplied as low viscosity liquid, easy to handle and incorporate 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 %	30
Carrier	Butyl Carbitol/Water
As supplied viscosity, cP	3000 - 6000
Density, lb/gallon	8.6-8.8

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

Dosage and Incorporation :

T50 is typically added to the letdown. The usage depends on the system being thickened and the rheological performance desired. Typical use levels can vary from 0.2 to 1.0% of paint. However, in cases where there is limited agitation at this stage, it can be added to the letdown before the latex.

When T20 or T30 and T50 are used together in small particle latex paints, T20 or T30 should be added first. In large particle size vinyl-acrylic latex paints, T50 should be added to the letdown before the latex during the paint manufacturing process.

Application:

T50 can be used in a variety of latex paint formulations, and is compatible with other rheology modifiers. When used in low-PVC latex paints made with small particle size hydrophobic acrylic and styrene/acrylic binders, T50 with high shear ICI viscosity builders such as T20 and T30 in flat



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through gloss formulations. T50 can be used as a sole thickener for both KU and ICI viscosity when used in latex paints based on large particle size vinyl-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.