Product Information

Product Name: Rheology Modifier T100

T90 to T104 seriesof rheology modifiers represent the latest advance in synthetic Hydrophobically modified Alkali-Swellable anionic associative Emulsion thickener (HASE) technology. T90 to T104 series provide customers the opportunity for thickener consolidation with improved performance in architectural and functional coatings.

T100 is a premium rheology modifier designed to provide maximum high shear ICI viscosity for improved film build, brush drag and hiding. It also provides paints with good flow/leveling and outstanding resistance to roller spattering. It offers a good paint stability and consistency, thick and creamy in-can appearance. This product can be used in combination with T90, T102 and T or with cellulosic thickeners for optimum enhanced high shear viscosity in medium and high PVC latex coatings. It can also be used as a sole thickener in formulations with small particle size binders for excellent film build and gloss development. T100 is supplied at 30% solids and low viscosity for easy pour and pump, incorporation and rapid viscosity. It is highly resistant to attack by microbes and their enzymes.

Features and Benefits:

APEO and OrganoTin free, low odor, cost effective
High ICI efficiency and rapid viscosity
Excellent roller application and spatter resistance
Superior uniform film formation and hiding
Excellent balance of sag resistance and leveling
Compatible with other rheology modifiers
Supplied as low viscosity liquid, easy to handle and incorporate during product manufacturing process
Bio-stable and resistant to microbial attack

Typical Physical Properties:

Item	Range
Chemical type	Anionic HASE
Appearance	Off-white, milky liquid
Solids, weight %	30
pH	2.0 - 4.0
Carrier	Water
As supplied viscosity, cP	< 50
Density, lb/gallon	8.7-8.9

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

Dosage and Incorporation :

Depending on the system being thickened and the rheological performance desired, typical use levels can vary from 0.5 to 1.0% of paint. T100 can be added directly to the production vessel, at different stages of formulation, without pre-dilution as long as sufficient base is added to the system prior to its addition and sufficient agitation is available. However, in cases where there is limited agitation, pre-

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dilution of this product with water is recommended prior to its addition. Like other high molecular weight polymeric thickeners, although most of the thickening efficiency becomes realized in minutes, an equilibrated viscosity of paint or the full realization of the thickening efficiency is expected to be achieved in 24 hrs.

Application:

This product is compatible with many other rheology modifiers. Depends on the rheology profile desired, T100 can be used as a sole thickener in many premium interior formulations to achieve outstanding properties of spatter resistance, film build, and flow and leveling. In medium to high-PVC formulations, a combination with T90 or T102 will increase the low-shear viscosity and improve the properties of sag resistance. As a co-thickener, T100 is typically suitable to provide an increased high-shear viscosity for better properties of film formation, brush drag, hiding, flow and leveling, and the viscosity stability to colorant additions.

Storage

Subject to appropriate storage under the usual storage and temperature conditions, this product is durable for 18 months.

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 safety. 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.