



Product Code:7031

TROYTHIX® XYZ

Rheology Modifier

Description

Highly Efficient Thixotrope for Aliphatic Systems

Application & Use

Troythix® XYZ is an organic derivative of castor oil that imparts high thickening efficiency in aliphatic solvent systems. It is supplied as a white, color-stable fine powder that functions by setting up a gel structure in the application system. Typical applications include:

- Decorative non-aqueous primers and topcoats
- Solvent-free epoxies and polyurethanes
- Pigmented wood stains
- Powder coatings
- Printing and screening inks
- Putties, caulks, and sealants
- Cosmetics
- Household preparations

Product Highlights

- Promotes thixotropic body with viscosity increase
- Excellent pigment suspension
- Sag control with good flow
- Controls penetration into porous substrates
- Improved application properties
- Excellent package stability

Physical Properties

The following are typical properties of Troythix XYZ; they are not to be considered product specifications.

Appearance:	White fine powder
Specific Gravity, 25°C:.....	1.02
% Non-volatile by weight	99
Melting Point (°C) (Fisher-Johns).....	85 (185°F)

Function/Activity

	% Wt/Wt
Pigment suspension & sag resistance	0.2 - 0.8%
High Build systems	1.0 – 1.5%

Troythix XYZ is used primarily in systems having low solubility parameters. Solvents should be principally of the aliphatic hydrocarbon type. Typical resin systems include oils, oleo resinous varnishes, long to medium oil alkyds, and modified alkyds

Formulating Considerations

Troythix® XYZ must be incorporated at the beginning of the pigment dispersion stage of manufacture. It should be pre-mixed in the solvent/binder for 5 minutes before adding other components. Note that a lower and upper processing temperature must be observed during the manufacturing process. An activation temperature above 40°C (104°F) is required for viscosity response of the product. Process temperature must be maintained below 55°C (131°F) to avoid seed formation in the system. Note: The use of aromatic solvents will reduce the temperature at which seeds are formed to 46°C. Seeding may be avoided by continuous agitation as the system temperature is reduced below 43°C during the letdown stage of manufacture.

Shipping & Packaging

Troythix XYZ is packaged in:

Shipping Container	Net Weight
Paper Bag	50 lbs.

Product Safety & Additional Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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