XYZTU / TECHNICAL DATA SHEET

TT-90

HASE Thickener for Water-Based Paints

English translation of the Chinese technical data sheet

Product description

TT-90 is an anionic hydrophobically modified alkali-swellable (HASE) thickener for medium-shear viscosity control, flow and leveling. It can be used alone or with other thickeners in latex paints and is compatible with a range of emulsions.

Typical properties

Appearance	Milky-white liquid
Solids content	30 +/- 1%
pH	2-4
Ionic character	Anionic
Density	1.05 g/cm3; temperature not stated
Viscosity	Less than 100 cP
Viscosity test conditions	Brookfield LVT, 25 degrees C, No. 1 spindle, 60 rpm

Features and applications

Very low odor; good flow and leveling; excellent spatter resistance; good thermal stability; resistance to microbial and enzymatic attack.

Dosage and use

Adjust the formulation pH to 8-9 before addition. Dilute with water at a product-to-water ratio of 1:4 and add slowly. The source does not specify whether the dilution ratio is by mass or volume. Recommended dosage: 3-5% of formulation mass, measured as supplied. Determine the exact dosage in preliminary trials before paint preparation, according to the emulsion and required final viscosity.

Packaging and storage

Keep packaging intact in a cool, dry place away from light at 5-35 degrees C. Shelf life is 12 months from manufacture. Evaluate performance before use after the stated shelf life. Reseal immediately after use and use promptly after opening.

Points to confirm - supplementary clarification

The as-supplied product pH (2-4) differs from the formulation pH (8-9) required before addition. The 3-5% dosage is based on the product as supplied, not the diluted mixture. Confirm dilution-ratio basis and density test temperature when needed.

Document basis and safety information

Translation prepared 25 October 2026 from the Chinese TDS supplied on xyztu.com. The original has no issue or revision date; the translation date is not an original revision date. Source claims are not independent test results.

Original Chinese TDS. This is not a Safety Data Sheet. Request the current SDS and technical clarification through XYZTU technical support.