



YT-255A Nonionic Low-Shear Associative PU Thickener (HEUR)

OVERVIEW

YT-255A is a novel waterborne associative polyurethane thickener (HEUR) offering better flow, film formation, leveling, water resistance and gloss than typical cellulose or acrylic thickeners. It delivers strong pseudoplastic rheology with relatively high viscosity at low shear for excellent anti-sag and brushing performance, with roller spatter-free application and strong resistance to biodegradation. pH-independent and fast-dissolving, it is tin-free and toluene-free — a drop-in alternative to 105A for mid- to economy-grade latex paints, waterborne adhesives, printing inks, leather coatings and textile coatings where both leveling and thickening are required.

KEY SPECS

Appearance	Colorless to light yellow transparent liquid	Solid content	40% / 50%
pH value	6 – 8	Viscosity	≤ 30,000 mPa·s
Recommended dosage	0.5 – 2.0% of formula		

KEY FEATURES

- ✓ Strong association with high low-shear viscosity and pseudoplastic rheology
- ✓ pH-independent; fast dissolution and strong biodegradation resistance
- ✓ Improved leveling, hiding, scrub resistance and roller spatter control without affecting gloss
- ✓ Excellent film formation, pigment wetting and UV stability — thickening-biased with slight leveling

APPLICATIONS

- ✓ Mid- to economy-grade latex paints
- ✓ Waterborne adhesives & printing inks
- ✓ Leather coatings
- ✓ Textile coatings

STORAGE

Store at 5–30 °C in a cool, dry, well-ventilated place; shelf life 12 months. Avoid freezing and direct light. Packaging 50 kg / 120 kg plastic drum