



YT-502 Heat-Activated Waterborne Polyurethane Adhesive Resin

OVERVIEW

YT-502 is a self-developed anionic aliphatic waterborne polyurethane dispersion for use as a heat-activated adhesive. It delivers strong bond strength, a suitable activation temperature, excellent heat resistance, and fast heat-activation efficiency and crystallization. It is widely used in footwear, automotive and furniture applications — especially automotive interior bonding — as well as textile treatment, fiberglass sizing and fabric treatment.

KEY SPECS

Appearance	Semi milky white to milky white liquid	Solid content	40%
Specific gravity	≈ 1.0 g/mL	Activation temperature	50 – 55 °C
Viscosity (30 °C)	≤ 1500 mPa·s	Film tensile strength	35 – 50 MPa
Ion type	Anionic		

KEY FEATURES

- ✓ Excellent brush application performance
- ✓ Activation at 50–55 °C with fast activation efficiency and crystallization
- ✓ Excellent bond strength and heat resistance

APPLICATIONS

- ✓ Textile treatment
- ✓ Fiberglass sizing agent
- ✓ Fabric treatment
- ✓ Automotive interior bonding

APPLICATION NOTES

For higher water resistance, add approximately 1–5% crosslinker; mix the two components thoroughly before use.

STORAGE

Store at 5–30 °C in a cool, dry, well-ventilated place; shelf life 12 months. Avoid freezing and direct light. Do not store in direct contact with crosslinker products.
Packaging 50 kg / 120 kg plastic drum