



YT-5140 Alcohol-Resistant Waterborne Polyurethane Resin

OVERVIEW

YT-5140 is an anionic polycarbonate-based waterborne polyurethane dispersion with excellent alcohol-wipe resistance, water resistance and solvent resistance. It forms high-gloss, medium-hard films. Eco-friendly and non-toxic with good abrasion resistance, it is suitable for metal, plastic and glass coatings as well as genuine and synthetic leather finishing — applications that demand high alcohol-wipe resistance and gloss.

KEY SPECS

Ionic type	Anionic	Appearance	Milky white
Solid content	40% ± 1	pH value	6.0 – 8.0
100% modulus	4 – 6 MPa	Tensile strength	≥ 40 MPa
Elongation at break	≥ 700%	Viscosity (30 °C)	≤ 1000 mPa·s

KEY FEATURES

- ✓ Eco-friendly — zero added formaldehyde, nonylphenol, heavy metals, PAHs or DMF
- ✓ Clear, glossy, medium-hard film with superior alcohol-wipe resistance (50+ wipes)
- ✓ Outstanding water resistance; resists multiple solvents; scratch- and abrasion-resistant surface

APPLICATIONS

- ✓ Metal, plastic and glass coatings
- ✓ Genuine and synthetic leather surface finishing
- ✓ Coatings requiring high alcohol-wipe resistance and gloss

APPLICATION NOTES

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

STORAGE

Store at 5–30 °C; avoid freezing, high temperature and direct sunlight. Shelf life: 12 months. Transport as non-hazardous goods. Note: basic product properties represent typical results only and are not to be regarded as specifications. Packaging 50 kg / plastic drum, IBC tote