



YT-5137 Alcohol-Resistant Waterborne Polyurethane Resin

OVERVIEW

YT-5137 is an anionic polycarbonate-based waterborne polyurethane dispersion with excellent alcohol-wipe resistance, water resistance and solvent resistance. It forms high-gloss films with a softer hardness. 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 to semi-milky white
Solid content	37% ± 1	pH value	6.0 – 8.0
100% modulus	2.5 – 3.5 MPa	Tensile strength	≥ 40 MPa
Elongation at break	≥ 700%	Viscosity (30 °C)	≤ 1000 mPa·s

KEY FEATURES

- ✓ Eco-friendly emulsion — free of formaldehyde, nonylphenol, heavy metals, PAHs, DMF and other toxic substances
- ✓ Excellent gloss with a softer film; combined with an aziridine crosslinker, alcohol-wipe resistance reaches 80+ wipes
- ✓ Good water and solvent resistance with excellent abrasion resistance

APPLICATIONS

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

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