

## Water-based polyurethane resin dispersion

### RS-T3122

#### Characteristics and advantages:

Composition: Anionic linear water-based polyurethane dispersion.

1. Emulsion is environmentally friendly, free of formaldehyde, nonylphenol, heavy metals, polycyclic aromatic hydrocarbons and DMF, etc. toxic substances.
2. Excellent mechanical properties.
3. Smooth and transparent film formation, high gloss.
4. Resistant to light and yellowing.
5. Suitable for metal surface protective coatings, with high hardness, water and solvent resistance, abrasion resistance, anti-corrosion and insulation properties. It has good adhesion on PVC and PET, and is widely used in various plastic coatings.

#### Product Specifications:

Appearance	Transparent liquid
Solid content	35 ± 1%
pH value	6.0~8.0
Modulus (MPa)	8.0~9.0
Viscosity value (MPa.s)	<300(25°C)
Tensile strength (MPa)	20~30
Absorption rate (%)	4%~5%(24hours 25°C)

#### Usage suggestions:

1. If there is a requirement for high water resistance, it is recommended to add 1% to 5% of the curing agent. After mixing the two components properly, use it immediately.
2. Do not mix with other adhesives of different properties.
3. It can be used in combination with other types of anionic polyurethanes from our company.

#### Storage:

Technical Data Sheet

This product should be stored at a temperature range of 5 to 30 degrees Celsius.  
Avoid freezing, high temperatures, and direct sunlight exposure; storage period is 12 months.