

## L-8323 Self-healing UV Polyurethane Acrylic Resin

### Description

**L-8323** is a modified aliphatic 3-functional polyurethane acrylate. It has the characteristics of good scratch resistance and quick self-healing effect, no yellowing, good flexibility, good toughness, fast curing speed, good surface dryness and resistance to water boiling.

### Technical data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	15000-30000
Chroma (Gardner)	≤1
UV component (%)	100
Density (g/cm <sup>3</sup> , 25°C)	1.1±0.1
Acid value (mg KOH/g)	≤2
Refractive index	1.488
Shore hardness	89A
Tensile strength (MPa)(ASTM D882)	2.73
Elongation at break (%) (ASTM D882)	9.5
Functional group	3

### Performance

Fast coating self-healing effect

Good resistance to yellowing and chemical resistance

Good surface dryness, resistance to boiling, and can be recoated

Good adhesion to PVC, TPU, ABS, PC and other plastics

### Applications

Invisible car coatings for cars, PVC protective films, mobile phone sheaths, self-healing coatings for high-end electronic products, etc.

### Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Safe storage time is 6 months at room temperature( 25°C) and under ventilation.

This product will be packed into 20KG/200KG/barrel

**Tips:L-8323 coating has good repairability, can be recoated, and has good chemical resistance.**

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.