

## **Adhesion Promoter LD-3157**

**(Similar to Changxing 4901-B-72)**

### **First, summary**

LD-3157 is an adhesion promoter for water-borne coatings which is applied for metal substrates. It can increase adhesion to metal substrates, film flexibility, water and vapor resistance, ductility and fog resistance greatly.

### **Second, main characteristics**

Appearance: yellow transparent liquid

Active ingredient: 60%

pH value: 5-6

Solvent: two ethylene glycol butyl ether

Good compatibility with main resins

Recommended dosage: 2-6% upon total formulation

### **Third, usage**

Functional groups of the substance and metal surface interact with each other so that adhesion could be improved.

1. Precoating plate through tensile, bending and calendaring.
2. Decrease scratch corrosion, like after salt spray test or water immersion test. There is a large amount of reaction groups in adhesion promoter, they are able to participate in crosslinking reaction with hydroxy functions in the substrate.

### **Fourth, application**

Suitable for can and coil coating systems, anti-vandal door and automobile paints, spraying, dipping and showering are appropriate. Suitable for polyurethane, acrylic acid and epoxy phenolic systems, etc.

### **Fifth, storage**

The product should be stored in sealed containers to avoid frozen and high temperatures and it is suggested to store at temperatures 5-35°C. The valid storage life is 12 months from the date of packing.