Xyjiao® Lep-701A
High-EEW Waterborne Epoxy Dispersion

Product Description

This product is a nonionic waterborne dispersion based on bisphenol A epoxy resin with a high epoxy equivalent weight. It has low odor and good mechanical stability. After mixing with the corresponding curing agent and baking at high temperature, it provides excellent adhesion, good gloss, corrosion resistance, acid and alkali resistance, and water resistance. This emulsion offers the advantages of conventional epoxy resin coatings, good adhesion and corrosion protection, as well as excellent flexibility. Compared with conventional solvent-based epoxy resins, it can effectively reduce VOC content and air pollution. Because the epoxy resin has a high molecular weight and contains more hydroxyl groups, it can be combined with a waterborne amino resin curing agent to formulate a one-component waterborne thermosetting coating.

Technical Specifications

Appearance	Milky white liquid
Solids content (%)	50±2
Epoxy equivalent weight (g/eq), finished-product basis	3500-4200
pH	6.0-8.0
Viscosity (cps/25 °C) NDJ,3#30 rpm	500-10000

Product Features

1. High crosslink density, a dense coating film and excellent mechanical strength;
2. Excellent adhesion to various metal substrates;
3. Resistance to corrosion, strong acids and strong alkalis;
4. Good water resistance.

Typical Applications

1. Composite materials, such as glass fiber impregnation and wind turbine blades;
2. Protective coatings;
3. Industrial baking finishes;

4. Metal decoration, internal and external can coatings, pipelines and other industrial applications.

Packaging, Storage and Transport

Store in a cool, ventilated warehouse; keep away from ignition sources and heat, and avoid prolonged storage below zero degrees Celsius. Store at 10-35 °C. If any product remains after opening, reseal tightly to avoid affecting application performance. Quality guarantee period: 1 year. Packaging: 50 kg/200 kg drums.