



WPL

Water-based resin modifier



Overview

WPL is a specialized monomeric water-based resin modifier primarily suitable for acrylic polymers. It can lower the minimum film-forming temperature, increase the film formation rate, enhance film toughness, prevent cracking, and improve tensile strength. It is non-volatile and classified as a zero-VOC product.

Physicochemical Properties

Appearance	Transparent, clear liquid	Composition	Specialized polymeric monomer
Active Content	≥99.0 %	Solvent	None
Density	1.02 g/ml	pH Value	7-8.5 (EN1262)

Characteristics & Advantages

As a water-based resin modifier, it can lower the minimum film-forming temperature, enhance the film formation rate, increase film toughness, prevent cracking, and improve tensile strength. It is non-volatile and classified as a zero-VOC product.

- Adding 1-4% WPL to emulsion paint can increase the elasticity and crack resistance of the coating while enhancing the film formation rate.
- Adding 5-10% WPL to the polymer dispersion of sealants can improve the film formation rate.
- Remains flexible and exhibits excellent cold resistance at low temperatures, preventing hardening.
- Does not migrate at high temperatures, avoiding high-temperature tackiness.
- Adding 1-4% WPL to water-based industrial coatings can enhance film toughness and improve impact resistance.
- Adding 2-4% WPL to polymer dispersions for construction adhesives and liquid roof membranes.

Application Method

Add WPL to the polymer dispersion with stirring as required. Allow the mixture to stand for 24 hours to let WPL take effect before further processing.

Application

- Industry: Water-based latex paints, water-based wood coatings, water-based industrial coatings, water-based adhesives, water-based textile coatings, and water-based inks
- Resin: Various water-based pure acrylic and modified acrylic

polymers.

- Precautions &** Store at 5-30 °C in a cool, ventilated place. Keep containers tightly sealed and away from heat and ignition sources.
- Storage**
- Safety** Refer to MSDS
- Packaging** 50 KG/Drum,120KG/Drum