



Water-based resin modifier

## Overview

**WPL** 

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.			
	• Addin crack r rate.	g 1-4% WPL to emuls: resistance of the coatin	ion paint can inc ng while enhanc	rease the elasticity and ing the film formation
	• Addin improv	g 5-10% WPL to the ve the film formation	e polymer dispe rate.	ersion of sealants can
	• Remai temper	ns flexible and exhibit ratures, preventing har	bits excellent c dening.	old resistance at low
	<ul> <li>Does r tacking</li> </ul>	not migrate at high ter ess.	nperatures, avoi	ding high-temperature
	• Addin film to	g 1-4% WPL to water oughness and improve	-based industrial impact resistanc	coatings can enhance
	• Addin adhesi	g 2-4% WPL to poves and liquid roof me	olymer dispersi embranes.	ons for construction
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	<ul> <li>Industative water-based</li> <li>Resination</li> </ul>	ry: Water-based latex based industrial coat textile coatings, and w : Various water-base	a paints, water- ater-based inks ater-based inks ad pure acrylic	based wood coatings, ed adhesives, water- and modified acrylic
EW-TECHEM	r further detailed informatic e information provided is co	on, please contact our company directly. mpiled based on our current knowledge	and is intended for reference	only. No guarantees are made. We reserve the

right to modify product parameters within the scope of process advancements or product development. Due to the wide range of processing

conditions and raw material combinations beyond our control, users are advised to conduct suitability tests before production.

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polymers.

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

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