

Rheological additives

EW01

Features and Advantages:

Possessing gelling and rheological properties, it is specifically designed for water-based systems and provides excellent thickening and rheological performance.

System Stability:

Stabilises the emulsion

Provides electrolyte stability

Ensures stability during the application of electrophoretic coatings

Prevents hard precipitation of pigments or fillers

Reduces water separation

Minimises colour separation and mottling

Application Performance :

Enhances the texture of the coating film

Does not affect the penetration of electrophoretic coatings

Improves application and handling properties

Product Specifications:

Appearance	White powder
Density	0.4 g/cm ³
Particle Size	≥95% passes through a 200-mesh sieve
Composition	Refined synthetic flake silicate clay

Application fields:

Water-based polyurethane coatings, water-based alkyd coatings, water-based acrylic coatings, water-based zinc-based coatings (high-zinc primers), anti-corrosion primers, electrophoretic

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; For more information, please visit: <https://www.rk-chem.com>

coatings Ceramic glazes, water-based inks/pigment pastes, water-based adhesives, other water-based coatings

Recommended dosage:

The typical dosage of EW01 is 0.1–1.0 per cent of the total formulation weight; this can be adjusted depending on the required degree of suspension, rheological properties or viscosity.

Usage:

EW01 is easy to use and does not require heating

1. First, add EW01 to water with a pH of 7.0–8.0. If necessary, adjust the pH using a suitable alkali; however, do not add triethanolamine, as this will cause a reduction in viscosity. Please note that a pH that is too high or too low will result in uneven gel formation during the dispersion process, thereby reducing its effectiveness.
2. Disperse for 10 minutes under high shear conditions.
3. After thorough hydration, add co-solvents, defoamers, biocides, dispersants and other additives, and mix thoroughly.
4. Then add pigments, fillers and other ingredients, and mix and disperse thoroughly.
5. The pH stability range of EW01 is between 6 and 11.

Packing:

Net weight: 25 kg

Storage:

It must be stored in a cool, dry environment; if EW01 is stored in conditions of high humidity, it will absorb moisture from the air.