

AW-907

Rheological anti-settling agent



Overview

AW-907 is a special active polyamide wax rheological anti-settling agent, designed for use in various solvent-based coatings, inks, construction adhesives, UV, and unsaturated polyester systems. It offers easy dispersion, excellent thickening, anti-sagging effects, persistent anti-settling properties, and minimal impact on flow and gloss.

Physicochemical Properties

Appearance	Milky white wax emulsion	Composition	Polyamide Wax
Solid Content	20.0 ±1%	Solvent	XYL/EA
Density	0.87 g/ml		

Characteristics and Advantages

AW-907 is specially formulated with micronized polyamide aliphatic derivatives, characterized by excellent heat resistance and a narrow particle size distribution, facilitating easy dispersion and activation. It provides outstanding thixotropy, anti-settling, and anti-sagging properties.

- Can be dispersed at high speed at room temperature, stable during storage, and less prone to agglomeration.
- Suitable for various solvent-based systems requiring prevention of pigment settling and improvement of sag control.
- Improves sagging issues typically encountered in facade coatings.
- Balances anti-sagging and leveling requirements for systems demanding smoother surfaces.
- Provides long-lasting anti-settling properties with high thixotropic efficiency.
- Minimal impact on gloss and intercoat adhesion, excellent thermal stability.
- Broad applicability across a wide range of solvents.

Dosage

Anti-Settling Agent: 0.5-2.0% of total formulation.

Anti-Sagging Agent: 2.0-5.0% of total formulation.

Direct Addition: At 20-50 °C, disperse AW-907 into the coating gradually from low to high shear rates. Recommended stirring speed is 1000-2500 rpm

for 5-25 minutes, adjusting as needed for viscosity requirements.

Pre-dispersion: At 20-50 °C, pre-mix AW-907 with resin/solvent at low shear, then disperse at high shear, keeping dispersion temperature below 60 °C and time within 60 minutes. (Can also be directly dispersed in solvent.)

Application

Suitable for matte wood coatings, sealing primers, aluminum powder coatings, pearlescent coatings, UV coatings, and industrial coatings.

Precautions & Storage

As much as possible, use at room temperature; when at low temperatures, pre-disperse after water bath until reaching room temperature; pre-dispersion temperature should not exceed 60 °C. Storage conditions are 0-40 °C; store the product in a cool, ventilated place; keep containers tightly sealed and away from heat and flames.

Safety

Refer to MSDS

Packaging

16 KG/Barrel