

High Performance Waterborne Automotive Coatings

The waterborne additives and rheology modifiers from Elementis, an industry leader in innovation and sustainability, provide the right solution to maintain performance when changing from solventborne to waterborne automotive coatings. Our application labs and technical experts are at your service to prove the benefits in your formulation.

RHEOLATE® nonionic synthetic associative thickeners provide coatings with good rheological behavior which leads to an excellent balance in thickening, flow, & leveling, with minimal effect on film gloss. BENTONE® rheological additives based on hectorite clays have the ability to thicken aqueous systems, provide excellent in-can stability and sag control for a wide range of coating formulations. NUOSPERSER® wetting and dispersing agents provide good application performance for inorganic\ organic and carbon black pigments. They are widely compatible with many coating formulas imparting lower foaming and improved stability. DAPRO® antifoaming and defoaming agents are effective in both the grinding and the letdown stages of a wide range of coating systems.



Performance System for Waterborne Automotive Coatings

Product name	Product type	Composition	Description
RHEOLATE® 299	Rheological additives	Nonionic synthetic associative thickeners	Provide low shear viscosity build, highly efficient thickener and excellent sag resistance. Ideal for spray applied coatings.
RHEOLATE® 350D			Provide high-shear viscosity, excellent flow and leveling properties, improve film-build and hiding power, good color acceptance and stability.
BENTONE® DE		Hectorite	Refined natural hectorite clay modified for easy dispersion. It allows for high pre-gel solids (up to 14 %) with pourable viscosity. It provides excellent in-can stability and sag control for a wide range of coating formulations.
BENTONE® LT			Highly efficient thickener and thixotropic flow, excellent in-can stability and sag control, reduces syneresis.
THIXATROL® 5020W		Modified EVA emulsion	Good anti-settling and sagging performance, enhance metallic orientation, and provides excellent stabilization in metallic and pearlescent paints
THIXATROL® P2100W		Polyamide	Provides strongly shear thinning and excellent anti-sagging and anti-settling, improve metallic orientation and enhance flop effect
NUOSPERSER® FX 7500W	Wetting and dispersing agents	Polymeric dispersant	Excellent wetting and dispersing for organic, inorganic and carbon black pigments. Good color development, gloss, levelling and hiding power. Good stability and low foam creation.
SUPREAD® 2059	Wetting agents	Surface Tension Modifier	Silicone free, super wetting agent for aqueous system, fast dynamic surface wetting, low foaming, low impact on paint rheology, no recoatability or blocking issues.
SLIP-AYD® FS 444	Slip and leveling additives	Modified polysiloxane	A liquid additive for increasing surface slip and mar resistance, exhibits good compatibility with minimum side effects.
DAPRO® DF 677	Defoamers	Silicone emulsion	Effective defoamer, provides excellent anti-foaming and de-foaming with good compatibility.