

# High Performance Waterborne Container Coatings

The waterborne additives and rheology modifiers from Elementis, an industry leader in innovation and sustainability provide the right solution to maintain the performance when changing from solventborne to waterborne container 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. THIXATROL® series waterborne rheology control agents can be used for the stabilization and orientation of metal flakes and pearlescent pigments. They can also improve sag-resistance and act as an anti-settling agent. NUOSPERSE® 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.



Anti-settling properties in 2 Component WB epoxy zinc rich primer

(Aged at 50°C 15days)

## Performance System for Waterborne Container 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® FX 1010			Increased mid & high shear viscosity, improves anti-settling properties, reduces roller spattering, no effect on film gloss and transparency
DeuRheo WT-105A			Increased medium shear viscosity to improve flow and levelling, minimum sensitivity to co-solvent.
RHEOLATE® 350D			Provides high-shear viscosity, excellent flow and leveling properties, improves film-build and hiding power, good color acceptance and stability.
BENTONE® DE		Hectorite Clay	Refined natural hectorite clay modified for easy dispersion. It allows for high pre-gel solids (up to 14 %) with pourable viscosity. 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	Enhances metallic orientation, good anti-settling and sagging performance, provides excellent stabilization in metallic and pearlescent paints
THIXATROL® P2100W			Polyamide
NUOSPERSE® FX 7500W	Wetting and dispersing agent	Polymeric dispersant	Excellent wetting and dispersing for organic, inorganic and carbon black pigments. Good color development, gloss, levelling and hiding power. Good stability and deflocculation behavior, low foam creation. Also has good performance in general pigment concentrates
SUPREAD® 2059	Wetting agent	Surface Tension Modifier	Silicone free, super wetting agent, fast dynamic surface wetting, low foaming, low impact on paint rheology, no re-coatability and blocking issues.
SLIP-AYD® FS 444	Slip and leveling additive	Modified polysiloxane	A liquid additive for increasing surface slip and mar resistance, exhibits good compatibility with minimum side effects.
DAPRO® DF 677	Defoamer	Silicone emulsion	Provides excellent anti-foaming and de-foaming with good compatibility.

Elementis.com/Coatings/Performance-Series

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