

# 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 15 days)

## Performance System for Waterborne Container Coatings

Product name	Product type	Composition	Description
RHEOLATE® 299	Rheological additives	Nonionic synthetic associative thickeners	Provides low shear viscosity build, highly efficient thickener and excellent sag resistance. Ideal for spray applied coatings.
DeuRho WT-105A			Provides low-mid shear viscosity build. Improves anti-sagging, good balance of thickening and flowing, minimum sensitivity to co-solvent.
BENTONE® DE		Hectorite	Refined natural hectorite clay modified for easy dispersion. It provides excellent in-can stability and sag control for a wide range of coating formulations. Higher pre-gel solids (up to 14 %) with pourable viscosity.
BENTONE® LT			Provides low-mid shear rate viscosity, imparts high thixotropic flow, excellent in-can stability, anti-syneresis and sag control.
BENTONE® SD-2		Organoclays	Superdispersable organoclay for moderate to high polarity applications.
BENDEL® 828			
THIXATROL® P2100W		Polyamide	Provides strongly shear thinning and excellent anti-sagging and anti-settling.
NUOSPERSE® 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 deflocculation behavior, low foam creation. Also good performance in general pigment concentrates.
DAPRO® DF 677	Defoamers	Silicone emulsion	Effective defoamer, provides excellent anti-foaming and de-foaming with good compatibility.
DAPRO® AP 7015		Dispersion of wax in mineral oil	A defoamer for waterborne systems with good emulsifying properties. Excellent anti-foaming and de-foaming effects.
NALZIN® FA 179	Corrosion inhibitors	Complex zinc compound in a mixture of solvents	Liquid flash rust inhibitor for waterborne systems, also can be used as an inhibitor against the formation of in-can corrosion.

Elementis.com/Coatings/Performance-Series

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