

ELEMENTIS

Architectural coatings



Unique chemistry,
sustainable solutions



Welcome to our world of architectural additives solutions

At Elementis, we have an outstanding portfolio of specialty chemicals that delivers enhanced performance for decorative paint formulations.

Our technology addresses performance needs through our rheological additives, wetting and dispersing agents, functional extenders, defoamers, waxes and slip aids, adhesion promoters and other performance enhancing additives*.

In close partnership with our customers, we develop additive solutions that enables high performance, safer and more sustainable paints.

Let's work together and shape tomorrow's formulation!

Elementis broad advanced technology toolbox

For more info click on the product name below.

RHEOLATE®

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®

BENTONE® rheological additives based on hectorite clays have the ability to thicken aqueous systems, provide excellent in-can stability, sag control and workability.

NUOSPERSE®

NUOSPERSE® wetting and dispersing agents provide good application performance for inorganic\ organic and carbon black pigments. They are widely compatible with many coating formulas in parting lower foaming and improved stability.

SUPREAD™

SUPREAD™ 2059 is a NEW non-ionic surfactant with premium surface tension reduction which leads to improved substrate wetting.

DAPRO®

DAPRO® antifoaming and defoaming agents are effective in both the grinding and the letdown stages of a wide range of coating systems.

FINNTALC®

Finntalc grades are pure, platy talcs who have undergone a unique beneficiation process to ensure consistent properties

THIXATROL®

THIXATROL® rheology modifiers are organic thixotropes that enable the formulation of high-performance industrial coatings.

Rheology modifiers

Product	Composition	Description
Powder NiSAT		
<p>Our family of 100% solid urethane rheology modifiers are suitable for high performance architectural formulas with easy and flexible incorporation. With the powder form, we are able to add more sustainability and safer ingredients.</p> <ul style="list-style-type: none"> • Biocide free, Zero VOC, Asthma & Allergy friendly compliant • Up to 80% CO2 reduction on transportation, solvent free, reduced storage space • > 18% efficiency, improved rheology and excellent dry film properties. 		
RHEOLATE® 208	Polyether polyurethane associative thickener	Highly effective mid-high shear builder in small-particle-size latex emulsions and in high-volume-solid systems. Can be used as stand alone thickener in formulations.
RHEOLATE® FX 1100	Polyether polyurethane associative thickener	Contributes to low shear which impacts sag resistance, higher film build and improved edge covering. Perfect partner for RHEOLATE® PHX 7025.
RHEOLATE® PHX 7025	Polyether polyurethane associative thickener	Contributes very effectively to high shear which impacts flow & levelling, roller spattering and brushout. Perfect partner for RHEOLATE® FX 1100.
NiSAT		
<p>NiSAT product group are “NonIonic Synthetic Associative Thickeners and in principle used over the widest range of pH values.</p> <ul style="list-style-type: none"> • Broad portfolio to create your own rheology profile in wide range of applications • RHEOLATE® IF range are perfectly suitable for EU Ecolabel, Nordic Swan, Blaue Engel, Asthma Allergy Nordic, French NF • RHEOLATE® HX series realizes highest efficiency, improves rheology and creates excellent dry film properties. 		
RHEOLATE® 658	Polyurethane solution	Excellent mid-shear viscosity builder, especially with small particle-size binders. Works well in low and zero VOC flat through gloss paints.
RHEOLATE® 666	Polyurethane solution	VOC compliant, solvent free, APE-free, provides viscosity at low and medium-shear rates and provides effective flow and leveling control.
RHEOLATE® 350 D	Polyether polyol solution	Excellent high-shear viscosity build, great synergy with RHEOLATE CVS® rheology modifiers, excellent color properties and good resistances.
RHEOLATE® 212 IF	Polyurethane solution	High-shear viscosity builder providing Newtonian flow. Ideally to be combined with pseudoplastic NiSAT grade for ideally balanced properties. Isothiazoline free (MIT/BIT).
RHEOLATE® 678 IF	Polyurethane solution	Mid-high shear viscosity builder compliant to eco-labeling. Can be used as the sole thickener in quality acrylic flats and eggshell finishes.
RHEOLATE® HX 6008 IF	Polyurethane solution	Highly efficient, high-shear (ICI) nonionic synthetic associative thickener (NiSAT) for aqueous applications.
RHEOLATE® HX 6010 IF	Polyurethane solution	Highly efficient, Newtonian high-shear builder. Excellent efficiency with hydrophobic resins with exceptional application properties. Isothiazolinone free (MIT biocide)
RHEOLATE® HX 6050 IF	Polyurethane solution	High shear builder, Isothiazoline free and VOC compliant. Excellent efficiency with some low/mid shear contribution. Vynal acitate emulsion.
RHEOLATE® HX 6025	Polyurethane solution	Zero VOC, high-shear builder. Excellent stain resistance and applied hide.
RHEOLATE® CVS-10	Polyurethane solution	Excellent low-mid shear viscosity builder, provides good balance of sag, flow and leveling and excellent color properties.
RHEOLATE® CVS-15	Polyurethane solution	Highly efficient, zero VOC , mid-shear builder with minimum KU drop upon tinting.
RHEOLATE® 278 TF	Polyurethane solution	Excellent mid-high shear viscosity builder. Can be used as the sole thickener in quality acrylic flats and eggshell finishes
ASE/HASE		
<p>HASE and ASE based rheology modifiers belong to polymeric thickeners and are useful in the formulation of aqueous systems. Creating very good flow characteristics, storage stability and variety of performance properties.</p> <ul style="list-style-type: none"> • Improved application properties • Potential liquid, highly effective, alternatives for cellulosic, e.g. HEC • Resistant to microbiological and enzyme spoilage 		
RHEOLATE® 185	Acrylic emulsion (HASE)	Excellent low-shear, designed as a HEC alternative in interior and exterior formulations. Improves hiding power and minimizes roller spattering.
RHEOLATE® 465	Acrylic emulsion (HASE)	Highly effective thickener with unique flow and levelling properties. Works well across all decorative latex systems.
RHEOLATE® 175	Acrylic emulsion (HASE)	Excellent mid to high shear viscosity builder. Provides excellent film build, leveling and spatter resistance.
RHEOLATE® 150	Acrylic emulsion (HASE)	Cost-effective, low shear viscosity builder. HEC alternative for interior paints.



Clays & Organoclays		
<p>BENTONE® rheology modifiers are widely used in the formulation of manifold aqueous and, with specific modification, also for non-aqueous systems with efficient low-shear viscosity build, as well as thixotropic flow characteristic.</p> <ul style="list-style-type: none"> • Great balance between sag resistance and flow & leveling • Effective viscosity build in aqueous and non-aqueous applications • Significantly higher efficiency than other mineral based rheology modifiers. 		
BENTONE® EW	Hectorite clay	Rheological additive is a refined and beneficiated hectorite clay based thickener for waterborne paint and aqueous coating systems.
BENTONE® DY	Modified smectite clay	Modified clay to improve sag resistance and flow in waterborne systems
BENTONE® SD-1	Organoclay	Superdispersable organoclay for low polarity applications
BENTONE® SD-2	Organoclay	Superdispersable organoclay for high polarity applications

Wetting and dispersing agents

Product	Composition	Description
<p>Proper pigment wetting and dispersion for optimum coating performance, compatible for broad range of formulations. NUOSPERSE® dispersing and wetting agents can maximize production output and improve the stability of the system to prevent reflocculation on aging.</p> <ul style="list-style-type: none"> • Rapid pigment wetting for increased mill output • Maximum color development • Elimination of floating, flooding, rub-up and hard settling. 		
NUOSPERSE® FX 7500W	Polymeric dispersant	Highly efficient dispersant for waterborne industrial and architectural applications
NUOSPERSE® FX 610	Polymeric dispersant	highly effective pigment dispersing agent for use primarily in VOC compliant waterborne architectural coatings, pigment pastes and colorants.
NUOSPERSE® FN 270	Nonionic surfactant	Nonionic low foaming wetting agent, APEO, labeling and VOC free for waterborne deco paints and colorant systems.
NUOSPERSE® 2008	Surface active compound	A unique solvent free/NO-VOC pigment dispersing agent specifically used in Zero VOC paints and pigment concentrates. The product is a liquid polymeric multi-functional surfactant.
NUOSPERSE® FX 605	Sodium neutralized polyacrylic acid	low-foaming pigment dispersing agent for VOC compliant waterborne systems. It counter-acts pigment flocculation in weak acid, neutral and strongly alkaline media.
SUPREAD™ 2059	Nonionic surfactant	Low foaming, multi-functional substrate wetting agent for aqueous applications. Very fast and strong surface tension reduction.
NUOSPERSE® FX 631	NaOH neutralized copolymer	General purpose dispersant for coatings and inorganic pigment dispersions. Good compatibility with NiSAT's.
NUOSPERSE® FX 665	Ammonia neutralized copolymer	Hydrophobic dispersant with excellent water resistance for waterborne industrial and high performance deco paints.



Functional extenders

Product	Composition	Description
Unique talc providing high-quality, high-performing products that are tailored to your specific needs with reliable long-term supply.		
<ul style="list-style-type: none"> • Flotation process leading to high and consistent quality • Barrier properties improving stain, scrub, weather resistance attributes • Robust color consistence 		
FINTALC M04SLC	Pure, high whiteness talc with fine particle size, compacted	Optimum talc for partial replacement of TiO2 and for thin layer coatings. Talc is compacted to avoid dusting.
FINNTALC M05SL	Pure, high whiteness talc with fine particle size	Suitable for thin layer coatings and varnishes with high whiteness requirements. Can be uses also in inks and in color pastes.
FINNTALC M15	Pure, highly hydrophobic talc with medium particle size	Universal talc for architectural coatings for interior and exterior applications.
FINNTALC M15 ULM	Pure, bacteria-controlled talc with medium particle size	Talc for zero and low biocide containing coatings (anti-allergic and high hygienic coatings)
FINNTALC M15SL	Pure, high whiteness, highly hydrophobic talc with medium particle size.	Universal talc for high whiteness architectural coatings for interior and exterior applications.
FINNTALC M30SL	Pure, highly hydrophobic talc with coarse particle size	Talc for matt architectural coatings
MICROTALC IT EXTRA	Pure, super high whiteness talc with fine particle size	Good for coating applications with thin layer thicknesses and super high whiteness requirements.

Defoamers, coalescent agents, others

Product	Composition	Description
Highly effective specialty products for aqueous architectural application.		
DAPRO® DF 17	A blend of hydrophobic silica and mineral oil	Defoamer for all water based paints and coatings based on hydrophobic silica and mineral oil
DAPRO® DF 21	Mineral oil based defoamer	Letdown defoamer based on a blend of hydrophobic silica, emulsifiers and mineral oil for sensitive coating systems
DAPRO® DF 38	Silicone modified	General purpose dispersant for coatings and inorganic pigment dispersions. Good compatibility with NiSAT's
DAPRO® DF 52	Silicone and mineral oil free	Letdown defoamer based on blend of esters, hydrophobic silica and emulsifiers for sensitive coatings and inks
DAPRO® Bio 400	Coalescing agent based on renewable organic derivative	100% bio based- not food sourced, Free of VOCs, high boiling point (286°C) and enhances phase stability and shelf life.
DAPRO® FX 514	Based on renewable organic ester	Sustainable coalescing agent for aqueous coating systems with with 76% biobased content.



Elements that we improve with our additives:



In can stability



High efficiency



Water resistance



Flow & leveling



Stain resistance



Bio-based



Spattering resistance



Scrub resistance



Wet scrub resistance



Sagging resistance



Durability



Barrier Properties



Biocide free



Hardness



VOC free



Open Time

The partner in building tomorrow's formulations

Advanced broad technology toolbox

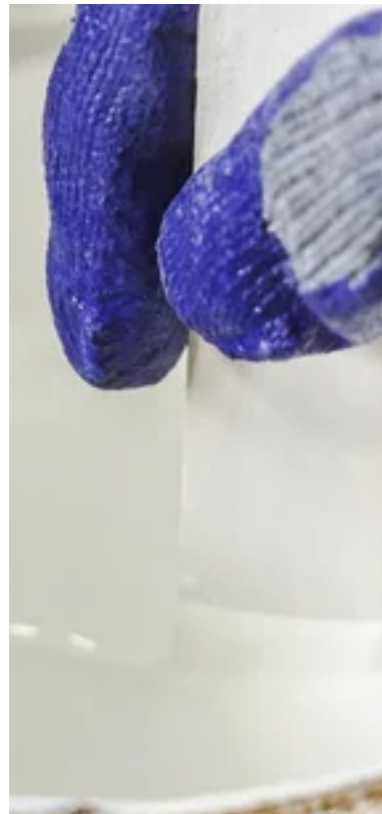
"Through unique ingredients, solutions & expertise we enable paint manufacturers to create high performance, safer and more sustainable paints."

Rheology leadership

"Strong and deep expertise in rheology while having the widest portfolio of rheology products to design your own rheology profile"

Market-led innovations

"Access to unique proprietary big data market insights that enables us to create market-led and customer centric innovations."



NOTE:

The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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