

RHEOLOGY & SPECIALTY ADDITIVES

FOR WATERBORNE
SYSTEMS

Coatings, Inks,
Adhesives & Sealants



Arkema, a world leader in Specialty Materials

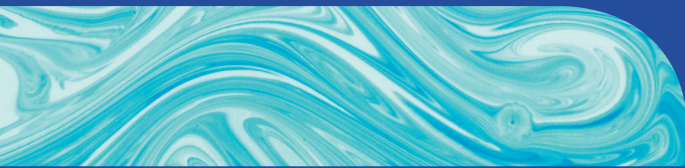
Building on unique set of expertise in materials science, Arkema designs specialty products that address ever-growing demand for innovation and sustainability. We are continuously looking for new ways to empower customers and industry leaders to address key challenges such as new energies, advanced technologies, dwindling natural resources, mobility innovation and urbanization trends.

Coatings solutions

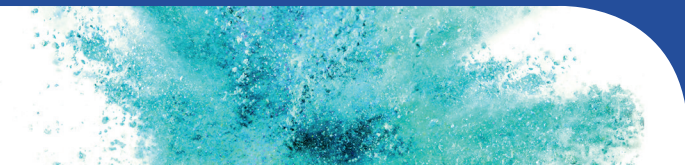
Arkema is a trusted partner, offering a wide range of specialty resins and additives for virtually every sector of the coatings industry. With decades of formulation expertise, Arkema helps customers produce performance-driven, sustainable coatings, adhesives, and inks that can meet the most stringent industry regulations.



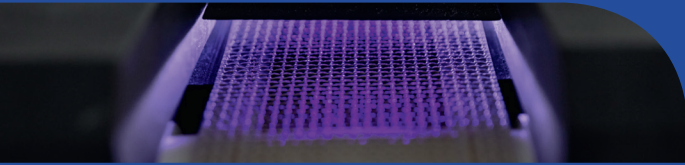
WATERBORNE systems



HIGH SOLIDS systems








POWDER coatings



UV/LED/EB systems

Make your formulations more sustainable!

For the world to change, we must change the materials we use. Thus, with our partners, we are continuously innovating to offer to our customers a wide variety of options to advance sustainability and performances. To move toward a more circular and lower carbon economy we look at both how the product is designed and how it enables the downstream performances. Hence, in addition of improving our product safety, our experts are committed to developing solutions using more renewable resources and lowering energy consumption across the value chain, while ensuring sustainable performances such as longer durability.

-  **ELIMINATION OF SUBSTANCES OF CONCERN & HAZARDOUS AIR POLLUTANTS**
-  **LOWER ENERGY INTENSITY / LOW CARBON FOOTPRINT**
-  **ALTERNATIVE FEEDSTOCKS**
-  **DOWNSTREAM BENEFITS**
-  **DURABILITY**

RHEOLOGY & SPECIALTY ADDITIVES

World leading designer and producer of additives for Coatings, Paints, Inks, Adhesives & Sealants

Customer intimacy, simplicity and reactivity as competitive edges. Our expertise is based on the rheology, the dispersion and the texture of complex formulations. Our solutions will optimize processing, stability and application properties of formulated systems. Discover our full range of rheology and specialty additives.

Performance

Design to offer sustainable & performing solutions

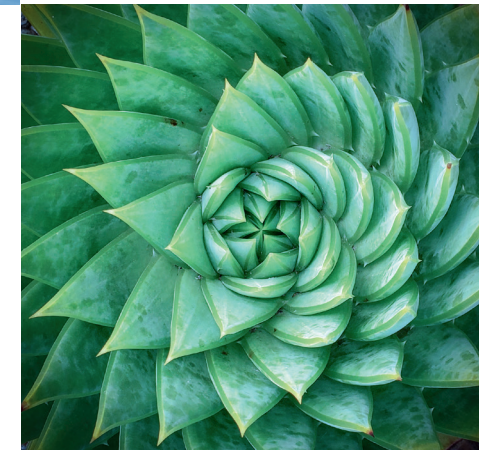


- Additives with high active content up to 100%
- Higher efficiency, use less
- Designed for low and zero VOC systems
- High value pigments optimization
- Solutions for fine-tuned rheology

Sustainability

Manage our activities as a responsible specialties manufacturer

- Clean processes based on water
- Low carbon footprint
- Sustainability portfolio assessment
- Proactive elimination of hazardous components
- Bio-sourced and biorenewable solutions



Innovation

Cultivate open dialogue and close relations with our customers



- Strong partnerships with major players of the Industry
- More than 5 new additives every year
- Global RD&I and regional application labs to provide fast reactivity to specific needs

Our offer for waterbased systems

Rheology modifiers

The choice of the right thickeners is a key step designing waterborne formulations. Rheology modifiers enhance major characteristics of formulations from production to the end-use.



Dispersing agents

From plasters to lacquers, dispersing agents will improve processing and long-term stability with the most demanding pigments and fillers. Dispersing agents will also contribute positively to film properties.



SUSTAINABLE DEVELOPMENT GOALS



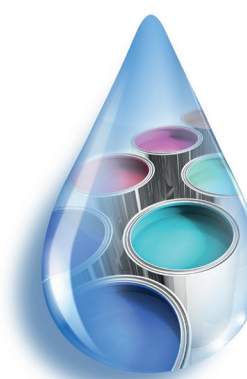
Our solutions portfolio is analysed for UN sustainable development goals. The method developed by Arkema is based on the methodological guide issued by the World Business Council for Sustainable Development and looks at the whole of the value chain.



WE OFFER SOLVENT, APEO, HEAVY METAL FREE AND BIO-BASED SOLUTIONS to Coatings, Adhesives & Sealants to achieve our common goals for a sustainable future.

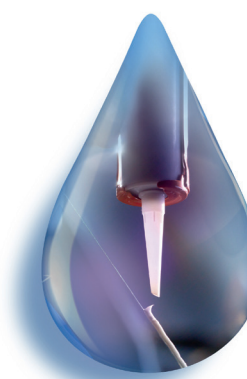
Add drops of vitamins to your formulations

World leading designer and producer of water-based rheology and specialty additives. Our expertise is used across multiple markets.



Coatings & Inks

Your needs are as unique as your waterborne formulations. Rheological solutions are key to meet your requirements and offer additional benefits whatever the application mode, e.g. brush, roller, curtain, spray gun.



Adhesives & Sealants

Rheology modifiers and dispersants will enable to fine-tune the body and the structure, the gunnability and ease of application while keeping an excellent slump resistance without impacting ageing, mechanical properties and weatherability.

Architectural
Plasters & renders
General industry
Graphic arts
Traffic paints
Textile & leather
Protective & marine

Sealants
Putties
Adhesives
PSA
Assembly



RHEOLOGY MODIFIERS

THICKENING MECHANISMS

WATER GELLING

- Viscosity increase at **low shear rates**
- Carboxylic acid groups interact with water and form a gel emphasized by chain entanglement

ASSOCIATIVITY

- Viscosity increase at **high shear rates**
- Hydrophobic end groups interact with the binder particles and/or their stabilizing systems by hydrophobic or ion-dipole interactions

SELF-ASSEMBLY OR ASSOCIATION

- Viscosity increase at **low shear rates**
- Hydrophobic end groups interact with each others by hydrophobic-hydrophobic interactions
- Depending on the design of the hydrophobic end groups, a thixotropic behavior can be obtained



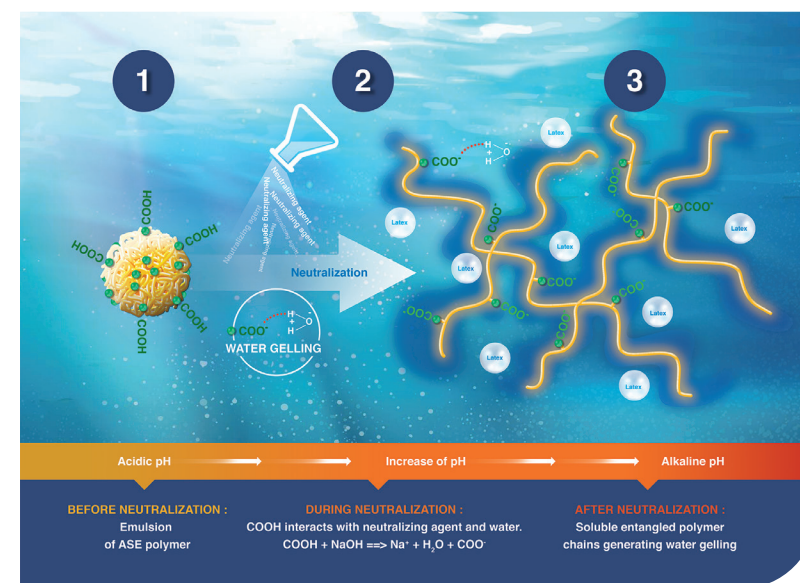
THICKENING TECHNOLOGIES

ASE: Alkali Swellable Emulsions

- Acrylic-type thickeners
- Backbone comprises carboxylic acid groups
- Need to be neutralized using an amine or an alkali solution in order to become water-soluble

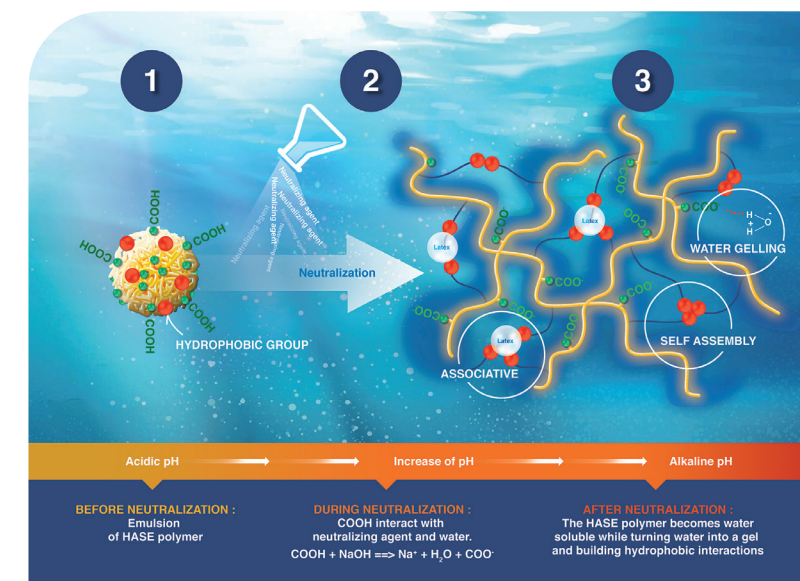
Neutralized carboxylic acid groups + chain entanglement
 ► **Strong water gelling effect**

Entanglement of ASE polymer chains



HASE: Hydrophobically modified Alkali Swellable Emulsions

- Acrylic-type thickeners
- Backbone comprises carboxylic acid groups
- Need to be neutralized using an amine or an alkali solution in order to become water-soluble



Neutralized carboxylic acid groups
 + chain entanglement
 ► **Water gelling effect**

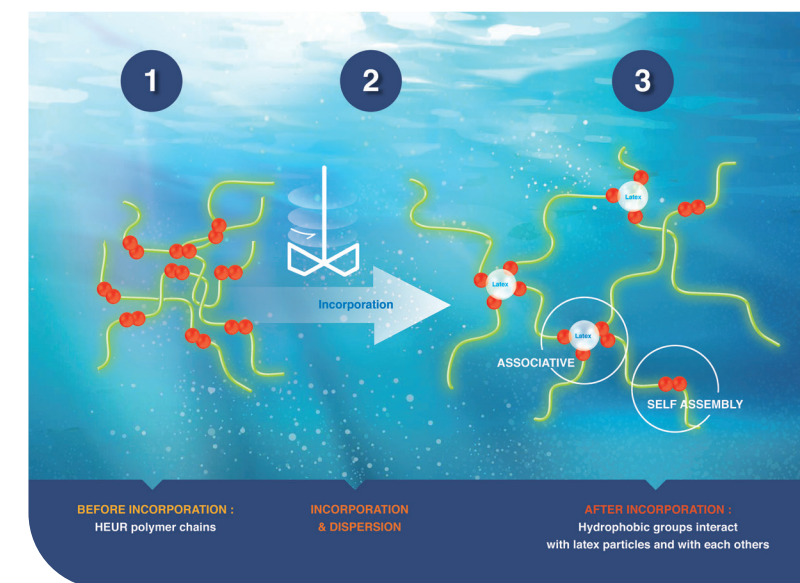
Hydrophobic end groups
 ► **Self-assembly mechanism**

Hydrophobic end groups
 ► **Associativity with binders**

HASE thickeners are therefore capable of selectively increasing viscosities in all ranges of shear rates

HEUR: Hydrophobically Ethoxylated Urethane polymers

- Polyurethane-type nonionic thickeners
- No specific pH adjustment
- Hydrophilic chain terminated by hydrophobic groups by means of urethane bond



Hydrophilic chain
 ► **Polymer solubility**

Hydrophobic end groups
 ► **Associativity with binders**

Depending on the design of the hydrophobic end groups
 ► **Self-assembly mechanism**

COAPUR™ & COAPUR™ BIO-BASED

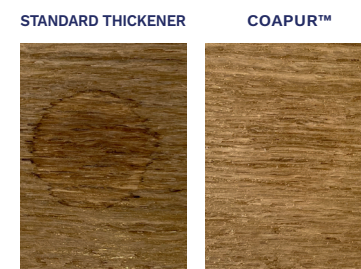
A wide and comprehensive range of polyurethane thickeners from very Newtonian to pseudoplastic profiles. XS grades focus on tinting.

Great application properties:

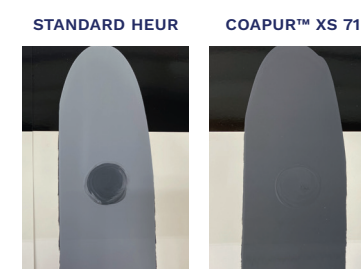
- Flow and leveling
- Application comfort
- Spatter resistance
- Color acceptance
- Water resistance
- Non ionic thickeners
- Less pH dependency
- Hydrophobicity

KEY BENEFITS

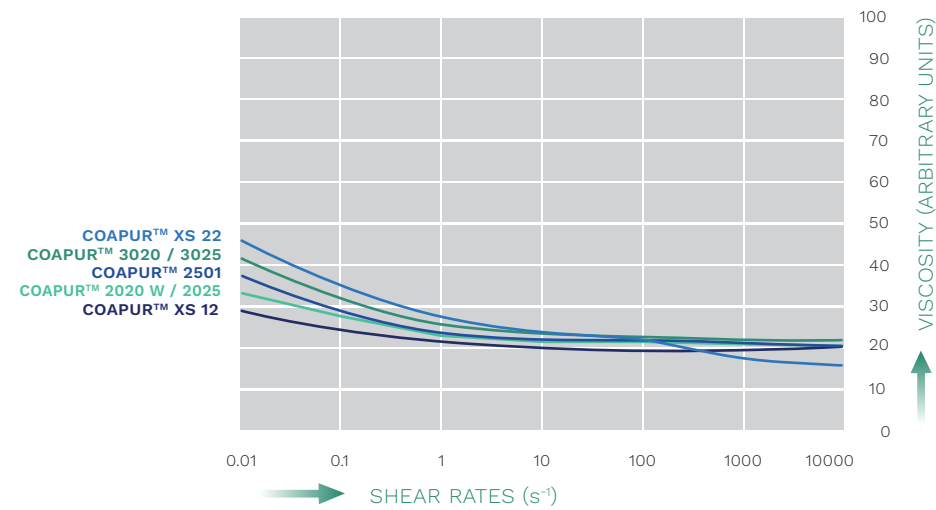
Water resistance



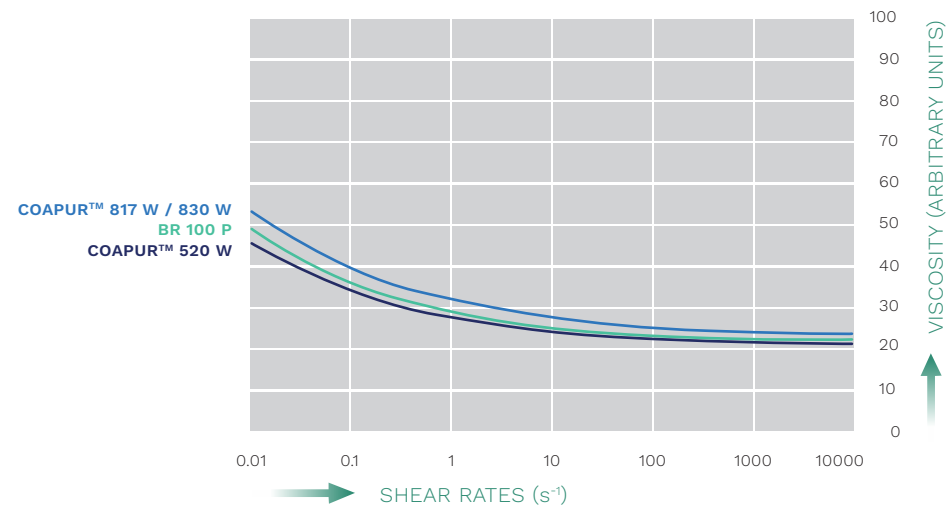
Color acceptance & rub out



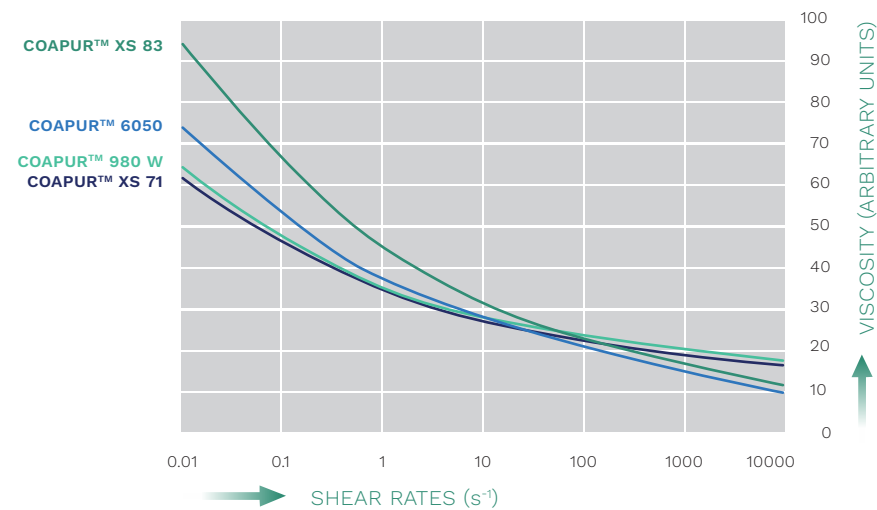
NEWTONIAN



BALANCED



PSEUDOPLASTIC



RHEOLOGY MODIFIERS

► HEUR: Polyurethane thickeners

Products	Bio-content (%)	Technical data				Thickening mechanism			Viscosity contribution			Main key benefits	Sustainable attribute
		pH	Solids content (%)	Active content (%)	Sol-vent	Non associative	Self association	Asso- ciative	Low Shear	Mid Shear	High Shear		
COAPUR™ XS 22	NA	7	30	25	Water	●●	●●●	●●●	●●●	●●●	●●●	Compatibility • Syneresis resistance Spatter resistance • Rub out	NA
COAPUR™ 3020 BB	90*	7	20	20	Water	●●	●	●●●●●	●●●	●●	●●●●●	Bio-based • Viscosity stability Film build • Leveling	🌱🌍
COAPUR™ 3020 / 3025	NA	7	20 / 25	20 / 25	Water	●●	●	●●●●●	●●	●●	●●●●●	Film build • Spatter resistance Viscosity stability • Anticorrosion	NA
COAPUR™ 2501	NA	7	20	20	Water	●●	●	●●●●●	●●	●●	●●●●●	Film build • Spatter resistance • Viscosity stability • Compatibility • Anticorrosion	NA
COAPUR™ 2020 W / 2025	NA	7	20 / 25	20 / 25	Water	●	●	●●●●●	●	●	●●●●●	Leveling • Film build • Viscosity stability • Brushability • Compatibility	NA
COAPUR™ XS 12	NA	7	25	20	Water	●	●	●●●●●	●	●	●●●●●	Outstanding leveling • Viscosity stability Film build • Brushability • Compatibility	NA
COAPUR™ 817 BB	93*	7	29	17.5	Water	●●	●●●	●●●●●	●●●	●●●	●●●●●	Bio-based • Spatter resistance • Viscosity stability • Compatibility • Rub out	🌱🌍
COAPUR™ 817 W / 830 W	NA	7	29 / 50	17.5 / 30	Water	●●	●●●	●●●●●	●●●	●●●	●●●●●	Good in-can feel • Spatter resistance Viscosity stability • Compatibility • Rub out	NA
BR 100 P	NA	5.5	50	50	Water BG	●●	●●	●●●●●	●●●	●●●	●●●	Easy handling • Viscosity stability Spatter resistance • Brushability • Gloss	NA
COAPUR™ 520 W	NA	8	27	20	Water	●●	●●	●●●●●	●●●	●●●	●●●●●	Spatter resistance • Drip resistance Compatibility • Viscosity stability • Rub out	NA
COAPUR™ XS 83	NA	7	50	30	Water	●●●	●●●●	●●	●●●●●	●●●●	●	Sag resistance • Antisettling Compatibility • Anticorrosion	NA
COAPUR™ 6050	NA	6	50	30	Water	●●●●	●●●	●●	●●●●●	●●●●	●	Sag resistance • Antisettling Water resistance	NA
COAPUR™ 980 W	NA	7	27	17.5	Water	●●●	●●●	●●	●●●●	●●●●	●●	In-can body • Compatibility • Sag resistance • Brushability	NA
COAPUR™ XS 71	NA	7	29	17.5	Water	●●●	●●●	●●●	●●●●	●●●●	●●	Color acceptance & development • Sag resistance • Brushability • Rub out	NA

Alternative feedstocks - Low carbon footprint

From Possible ● to Highly recommended ●●●●●

*Ratio of bio-sourced biomass / Total product NF EN 16785

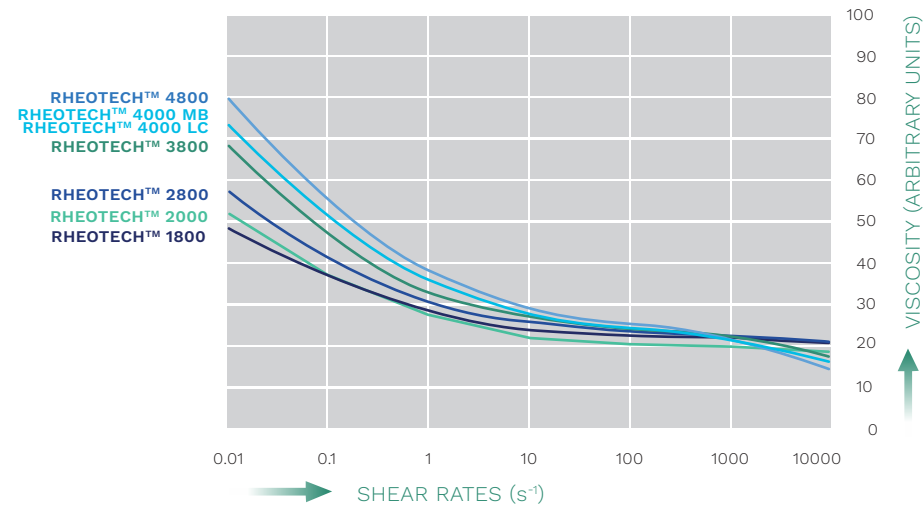


RHEOTECH™ & RHEOTECH™ MB BIO-BASED MB

A comprehensive range of HASE rheology modifiers providing key benefits to coatings & adhesives formulations throughout their use and application.

Additionally, they are easy to use and cost efficient.

RHEOLOGICAL BEHAVIOR



UPON STORAGE,

Rheotech™ rheology modifiers bring:

- Premium in-can appearance
- Syneresis control
- Optimum behavior with tinting systems

DURING APPLICATION,

Rheotech™ rheology modifiers provide:

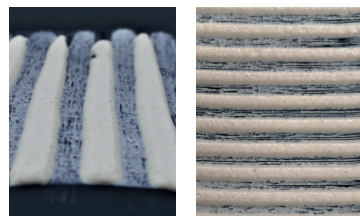
- Good sag resistance
- Spatter resistance
- High film build
- Sag resistance and leveling balance

These solutions offer excellent alternatives to HEC thickeners with better application properties.

KEY BENEFITS

Slump resistance

WITH RHEOTECH™ M 03



Sag resistance

RHEOTECH™ 4800

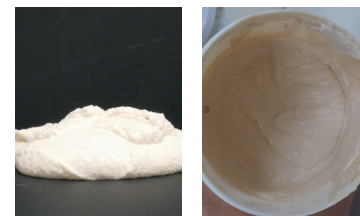
WITHOUT WITH



In-can texture

SOFT/SMOOTH TEXTURE

WITH RHEOTECH™ M 03



RHEOLOGY MODIFIERS

► HASE: Acrylic thickeners

Products	Bio-content (%)	Technical data			Thickening mechanism			Viscosity contribution			Main key benefits	Sustainable attribute
		pH	Solids & Active content (%)	Solvent	Non associative	Self association	Asso-ciative	Low Shear	Mid Shear	High Shear		
RHEOTECH™ 1800	NA	3	30	Water	●●	●●	●●●●●	●●	●●●	●●●●●	Color acceptance • Syneresis resistance • Hiding power/Opacity Improved stain resistance	NA
RHEOTECH™ 2000	NA	3	30	Water	●●	●●	●●●●	●●	●●	●●●●	Color acceptance • Syneresis resistance • Dilution resistance Hiding power/Opacity	NA
RHEOTECH™ 2800	NA	3	30	Water	●●●	●●●	●●●●	●●●	●●●	●●●●	Cost in use • Syneresis resistance Spatter resistance • Hiding power/Opacity	NA
RHEOTECH™ 3300	NA	3	30	Water	●●●●	●●●	●●●	●●●●	●●●	●●●	Storage stability • Syneresis resistance Spatter resistance • Hiding power/Opacity	NA
RHEOTECH™ 3800	NA	3	30	Water	●●●●	●●●	●●●	●●●●	●●●●	●●●	Cost in use • Syneresis resistance Tinting resistance • Rub out	NA
RHEOTECH™ 3900	NA	3	30	Water	●●●●	●●●	●●	●●●●	●●●●	●●	Compatibility • Syneresis resistance Brushability • Reduced post-thickening	NA
RHEOTECH™ 4000 MB	80*	3	30	Water	●●●●	●●●●	●●●	●●●●	●●●●	●●	Bio-based through mass balance Syneresis resistance • In-can body	🌱🌍
RHEOTECH™ 4000 LC	NA	3	30	Water	●●●●	●●●●	●●	●●●●	●●●●	●●	Lower carbon footprint Syneresis resistance • In-can body	🌱🌍
RHEOTECH™ 4200	NA	3	30	Water	●●●●	●●●●	●●	●●●●	●●●●	●●	Good efficiency • Syneresis resistance Brushability • In-can body	NA
RHEOTECH™ 4800	NA	3	30	Water	●●●●	●●●●	●●	●●●●	●●●●	●●	Cost in use • Syneresis resistance Rub out • In-can body	NA
RHEOTECH™ M 02	NA	4	30	Water	●●●●	●●●	●	●●●●	●●●	●	Cost in use • Sag & drip resistance High texture • Workability	NA
RHEOTECH™ M 03	NA	3	30	Water	●●●●	●●●	●	●●●●	●●●	●	Sag & drip resistance • High texture Workability • Less water absorption	NA

🌱 Alternative feedstocks - 🌍 Low carbon footprint

From **Possible ●** to **Highly recommended ●●●●●**

All Rheotech™ are APEO-free**, solvent-free** and heavy metal-free**. Rheotech™ M thickeners are designed for highly filled and viscous systems such as putties, adhesives & sealants and textured paints. **Most of the products in this brochure are now available with a lower carbon footprint version thanks to a bio-based sourcing using the Mass Balance approach. Don't hesitate to contact us to know more.**

*Ratio of bio-attributed biomass / Total product NF EN 16785

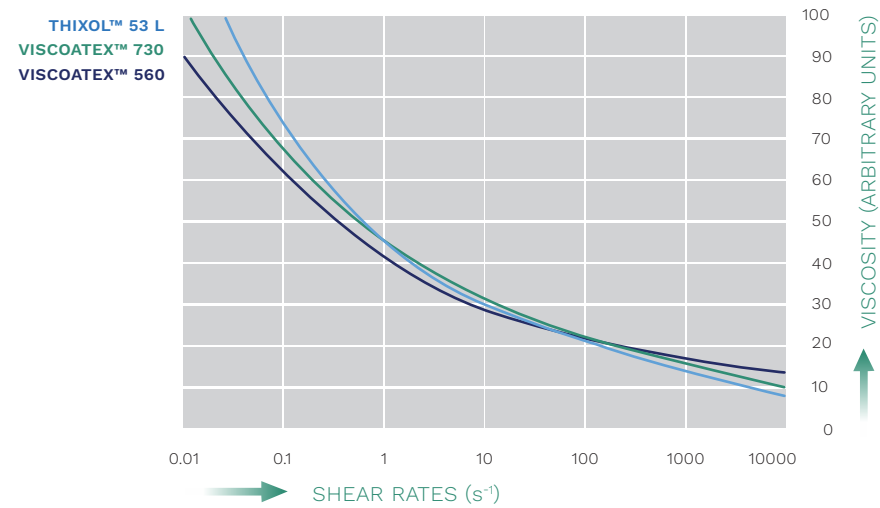
**Not intentionally added but not specifically measured (not part of product specification)



A full range of ASE (Alkali Swellable Emulsions) type acrylic rheology modifiers with key advantages during the formulation and the application such as ease of use, strong thickening, high efficiency, high body and structure and good antisetling.

These products are very versatile to increase low shear viscosities in a wide range of end applications. Besides they can be an excellent alternative to HEC thickeners.

RHEOLOGICAL BEHAVIOR



THIXOL™ - Specific and unique acrylic thickeners providing key features and formulation benefits:

- Thixotropy
- Sprayability
- Water dilution resistance
- Sag resistance
- Anti-settling
- Color acceptance

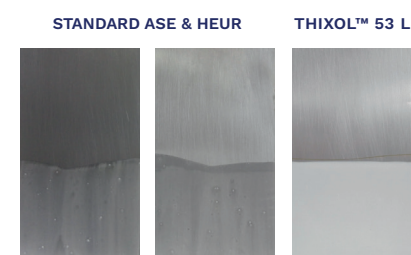
VISCOATEX™ - A full range of ASE type acrylic rheology modifiers with key advantages such as:

- Ease of use
- Versatility
- Low dosage
- High efficiency
- High body and structure
- Good anti-settling

Viscoatex™ product range offers an excellent alternative to HEC thickeners.

KEY BENEFITS

Homogeneity upon thinning



KEY BENEFITS

Suspension stability



Sag resistance



RHEOLOGY MODIFIERS

► ASE: Acrylic thickeners

Products	Technical data			Thickening mechanism			Viscosity contribution			Main key benefits
	pH	Solids & Active content (%)	Solvent	Non asso-ciative	Self asso-ciation	Asso-ciative	Low Shear	Mid Shear	High Shear	
THIXOL™ 53 L	3	30	Water	●●●●	●●●●●	●	●●●●●	●●●	●	Thixotropy • Antisetling Sprayability • Color acceptance
THIXOL™ 50 S	3	30	Water	●●●●	●●●●●	●	●●●●●	●●●	●	Thixotropy • Sprayability Industrial coatings Robustness vs binders
VISCOATEX™ 730	3	30	Water	●●●●	●●●●	●	●●●●●	●●●	●	High efficiency • Antisetling In-can body • Elasticity
VISCOATEX™ 630	3	30	Water	●●●●	●●	●●	●●●●	●●●	●●	Versatility • Antisetling • Good body Color acceptance
VISCOATEX™ 560	3	28	Water	●●●●●	●●	●●	●●●●	●●●	●●	Versatility • Antisetling • Good body Color acceptance
VISCOATEX™ 46	4	32	Water	●●●●	●●	●●	●●●	●●	●●	Cost in use • Easy handling Antisetling • Brushability
VISCOATEX™ 330	3	30	Water	●●●●	●●	●	●●●●	●●●	●	Cost in use • Easy handling Antisetling • Viscosity stability
VISCOATEX™ 100 S	3	> 96	Water	●●●●	●●●●	●	●●●●●	●●●	●	Powder thickener • High efficiency Antisetling • Slump resistance

From Possible ● to Highly recommended ●●●●●

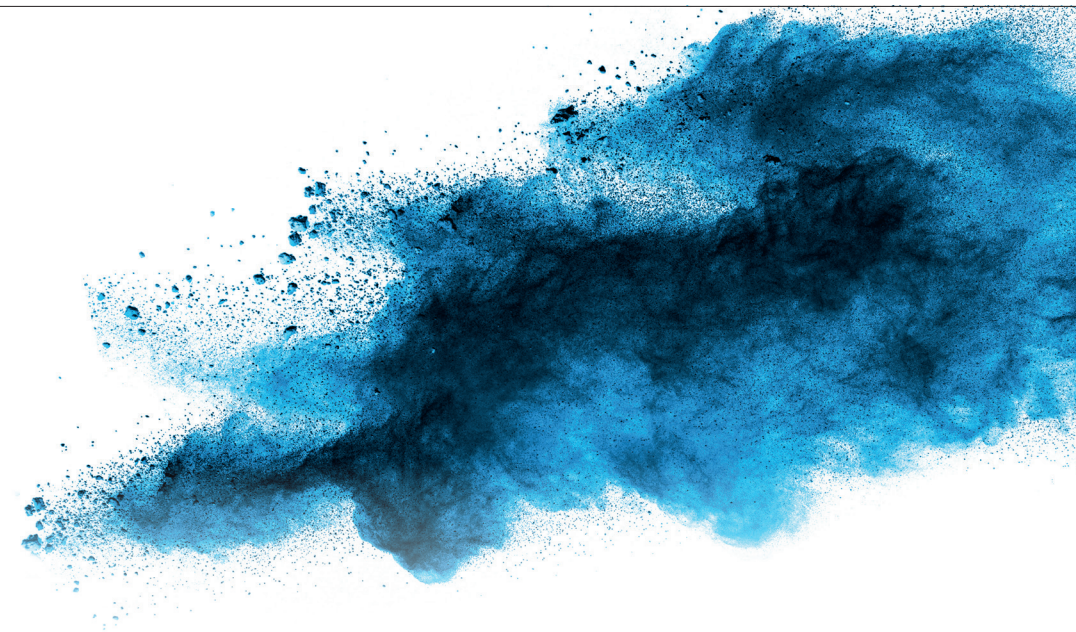


DISPERSING AGENTS

Paints, coatings, inks, adhesives and sealants are formulated systems with a wide diversity of **pigments and fillers which can vary significantly** in terms of combination and content depending on the end-use requirements.

Such ingredients will interact within the system and require to be **well dispersed and stabilized** in order to provide the maximum effect with a minimum impact on the viscosity of the formulation, while keeping a good processability.

Wetting and dispersing agents are playing a key role and the correct choice is crucial for a given system.

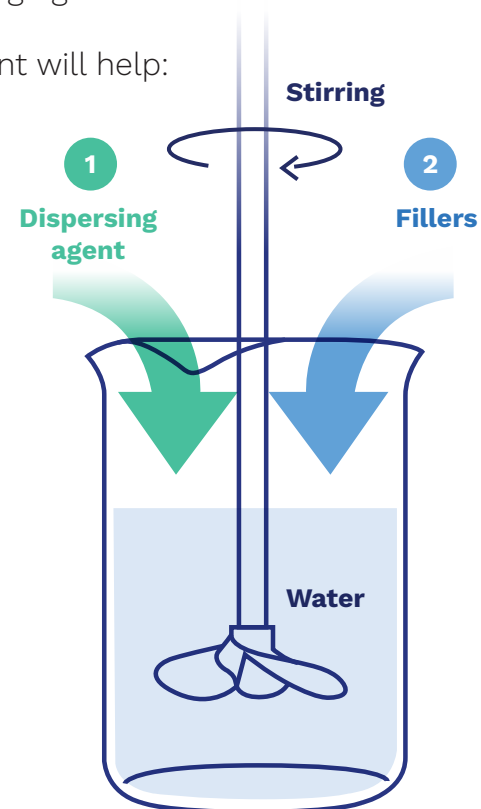


DISPERSING AGENTS TECHNOLOGIES

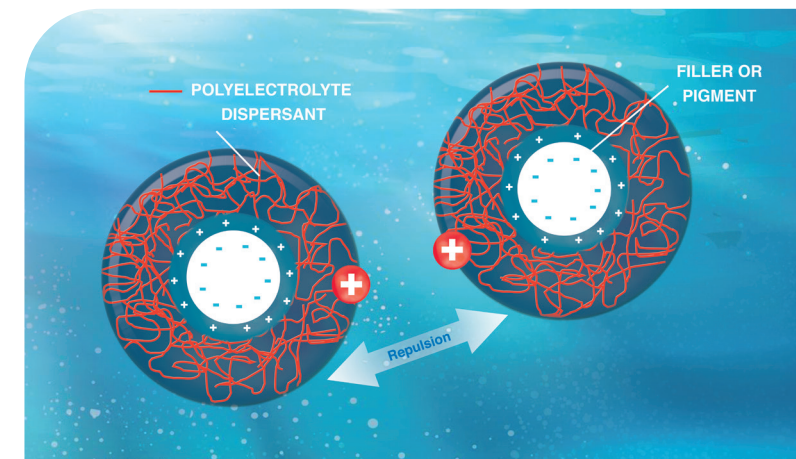
Optimize your pigmented formulation by selecting the recommended dispersing agents.

The right choice of dispersant will help:

- Maintain **proper dispersion state and storage stability**
- Allow the most flexible **rheological adjustment** possible
- Improve **color development, opacity and gloss control**
- Achieve better **water resistance** through a good binder matrix or **film homogeneity**



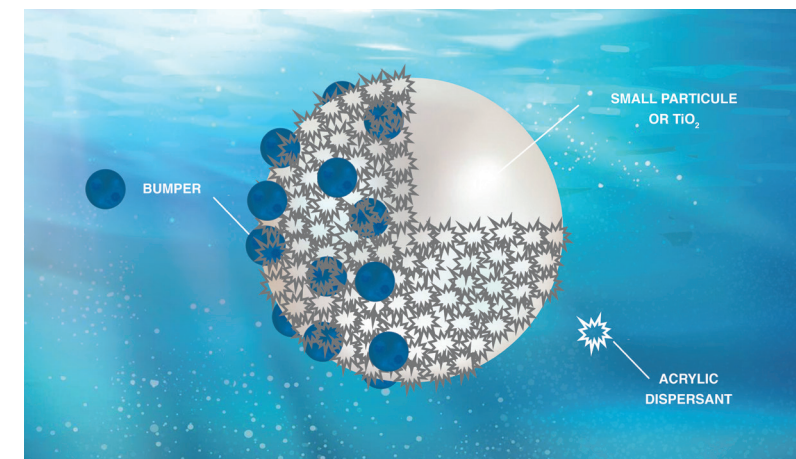
ELECTROSTATIC REPULSION



- Long distance for minerals
- In-can stabilization
- Productivity/cost effective

► **Acrylic based ionic dispersants for electrostatic stabilization**

BUMPER EFFECT

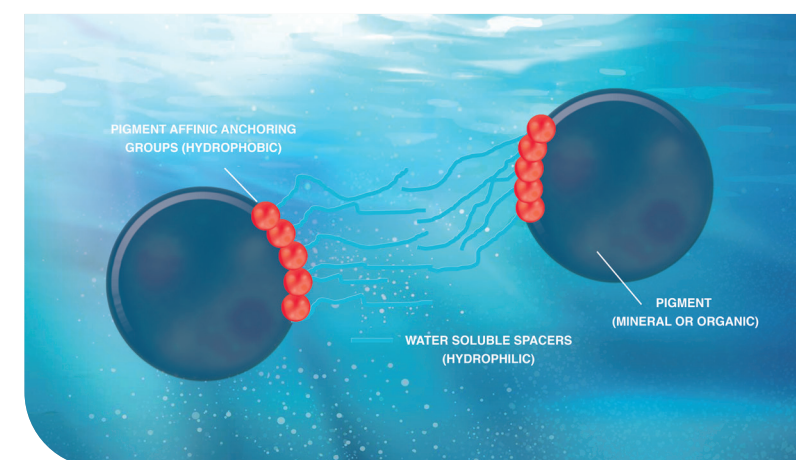


- Short distance
- Prevention of small particles or TiO₂ late flocculation
- Problem solving

► **Pigment is coated with the most adapted acrylic dispersant**

► **Addition of a Bumper that will create a layer of spacing spheres around the polyacrylate layer**

STERIC HINDRANCE WITH AFFINIC GROUPS

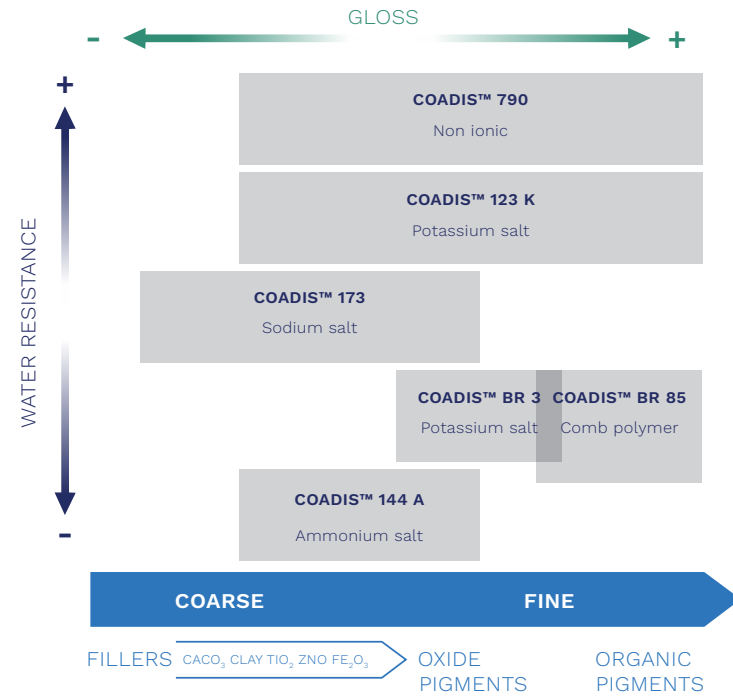


- Short & long distance
- For organic & inorganic
- For all types of waterborne coatings

► **Steric stabilization**

Silk gloss paints but also high solids formulations such as thick coatings, sealants and putties require specific solutions. The Coadis™ dispersants range exhibits original solutions that combine:

- Superior optical properties
- Gloss and gloss retention
- Color strength
- Hiding power with great applications properties
- Good flow and leveling



KEY BENEFITS

Carbon black dispersion



Transparency & clarity



DISPERSING AGENTS

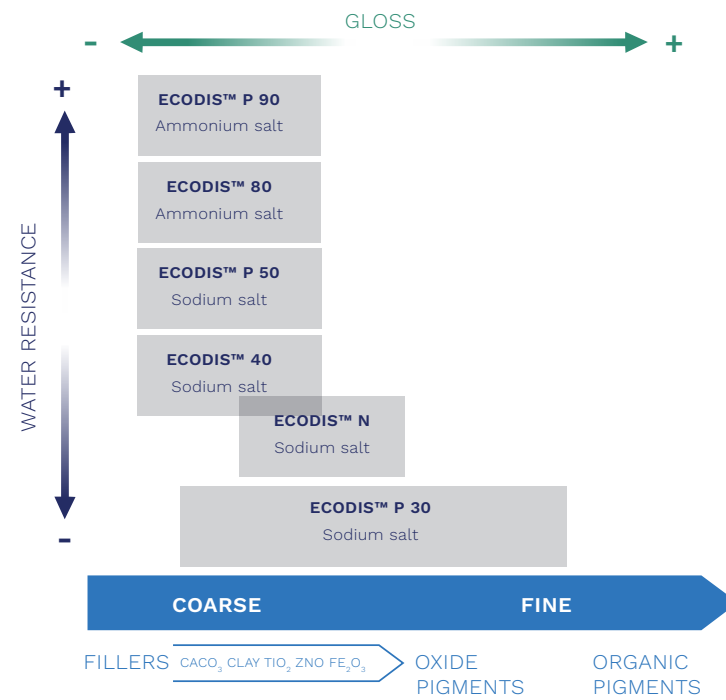
Products	Technical data				Suitable for			Main key benefits
	pH	Solids & Active content (%)	Neutralization	Solvent	Fillers	Organic pigments	Inorganic pigments	
COADIS™ 790	6.5	40	Nonionic	Water	●●●●	●●●●●	●●●●●	Compatibility • Storage stability Anticorrosion • Versatility
COADIS™ 123 K	10	24	Potassium	Water	●●●	●●●●	●●●●	Hydrophobic • Water marks resistance • Anticorrosion
COADIS™ 234 K	10	24	Potassium	Water	●●●	●●●●	●●●●	Hydrophobic • Water marks resistance • Anticorrosion
COADIS™ 144 A	7	44	Ammonium	Water	●●●●	●●	●●●●●	Compatibility • Hiding power/Opacity Gloss development
COADIS™ BR 3	8	40	Potassium	Water	●●●	●●●	●●●●●	Compatibility • High gloss • Viscosity stability • Rub out
COADIS™ BR 85	8	35	Low ionicity	Water	●●	●●●	●●●●	High gloss • Hiding power/Opacity Anticorrosion
COADIS™ 615	4	40	Low ionicity	Water	●●●	●●●	●●●●	Compatibility • Storage stability Anticorrosion
COADIS™ 173	10	30	Sodium	Water	●●●●●	●●	●●●●	Compatibility • ZnO dispersion Stain resistance
COADIS™ A 122	8	35	Sodium	Water	●●●●	●●	●●●●●	ZnO dispersion • Floating resistance Anticorrosion
COADIS™ OP 10	3	97	/	Water	●	●●●●	●●	Easy handling • Post addition Floating resistance • Gloss
COADIS™ 335 A	8	36	Ammonium	Water	●●●	●●●	●●●	Compatibility • Viscosity stability Hiding power/Opacity
COADIS™ 352 N	8	35	Sodium	Water	●●●●	●●●	●●●●	Compatibility • Viscosity stability Hiding power/Opacity

From Possible ● to Highly recommended ●●●●●



A full range of polyacrylic dispersing agents designed for flat, matt to semi-gloss paints that allows high loading in fillers and oxide pigments (TiO₂, CaCO₃, clay) as well as CaCO₃ extenders less than 1µm. They also enable stable formulations with:

- Easier dispersion process
- Longer shelf life
- Optimized optical efficiency for eco-friendly formulations



KEY BENEFITS

Opacity, brush marks and hiding



Dispersion of calcium carbonate into water



DISPERSING AGENTS

Products	Bio-content (%)	Technical data				Suitable for			Main key benefits	Sustainable attribute
		pH	Solids & Active content (%)	Neutralization	Solvent	Fillers	Organic pigments	Inorganic pigments		
ECODIS™ P 30	NA	8	42	Sodium	Water	●●●●	●●	●●●●●	High efficiency • Versatility Low foaming • Opacity	NA
ECODIS™ P 30 MB	100*	8	42	Sodium	Water	●●●●	●●	●●●●●	Bio-based through mass balance • High efficiency • Versatility • Low foaming • Opacity	
ECODIS™ P 30-30	NA	8	30	Sodium	Water	●●●●	●●	●●●●●	High efficiency • Versatility Low foaming • Opacity	NA
ECODIS™ P 50	NA	7.5	40	Sodium	Water	●●●●●	●●	●●●●	High efficiency • High PVC Low foaming • Opacity	NA
ECODIS™ P 50 MB	100*	7.5	40	Sodium	Water	●●●●●	●●	●●●●	Bio-based through mass balance • High efficiency • High PVC • Low foaming • Opacity	
ECODIS™ P 500 HR	NA	4.5	40	Sodium	Water	●●●●●	●●	●●●●	High PVC • Storage stability • Hard water	NA
ECODIS™ P 90	NA	7	40	Ammonium	Water	●●●●●	●●	●●●●	High efficiency • High PVC • Storage stability • Opacity	NA
ECODIS™ P 90 MB	100*	7	40	Ammonium	Water	●●●●●	●●	●●●●	Bio-based through mass balance • High efficiency • High PVC • Storage stability • Opacity	
ECODIS™ P 90-30	NA	7	30	Ammonium	Water	●●●●●	●●	●●●●	High efficiency • High PVC • Storage stability • Opacity	NA
ECODIS™ PE 620	NA	8.5	50	Ammonium	Water	●●●●	●●	●●●●	High efficiency • High PVC • Storage stability • Opacity	NA
ECODIS™ 40	NA	7.5	40	Sodium	Water	●●●●●	●●	●●●●	Cost in use • Easy handling • Antisettling Hiding power/Opacity	NA
ECODIS™ 80	NA	7	40	Ammonium	Water	●●●●●	●●	●●●●	Cost in use • Easy handling • Antisettling Hiding power/Opacity	NA
ECODIS™ N	NA	8	40	Sodium	Water	●●●●●	●●	●●●	Cost in use • Easy handling • Antisettling Hiding power/Opacity	NA
ECODIS™ 326	NA	8	35	Sodium	Water	●●●	●●●	●●●	High efficiency • Syneresis resistance Hiding power/Opacity	NA
ECODIS™ 345	NA	8	45	Sodium	Water	●●●	●●●	●●●	Cost in use • Easy handling • Antisettling Hiding power/Opacity	NA

Alternative feedstocks - Low carbon footprint

From **Possible ●** to **Highly recommended ●●●●●**

Most of the products in this brochure are now available with a lower carbon footprint version thanks to a bio-based sourcing using the Mass Balance approach. Don't hesitate to contact us to know more.

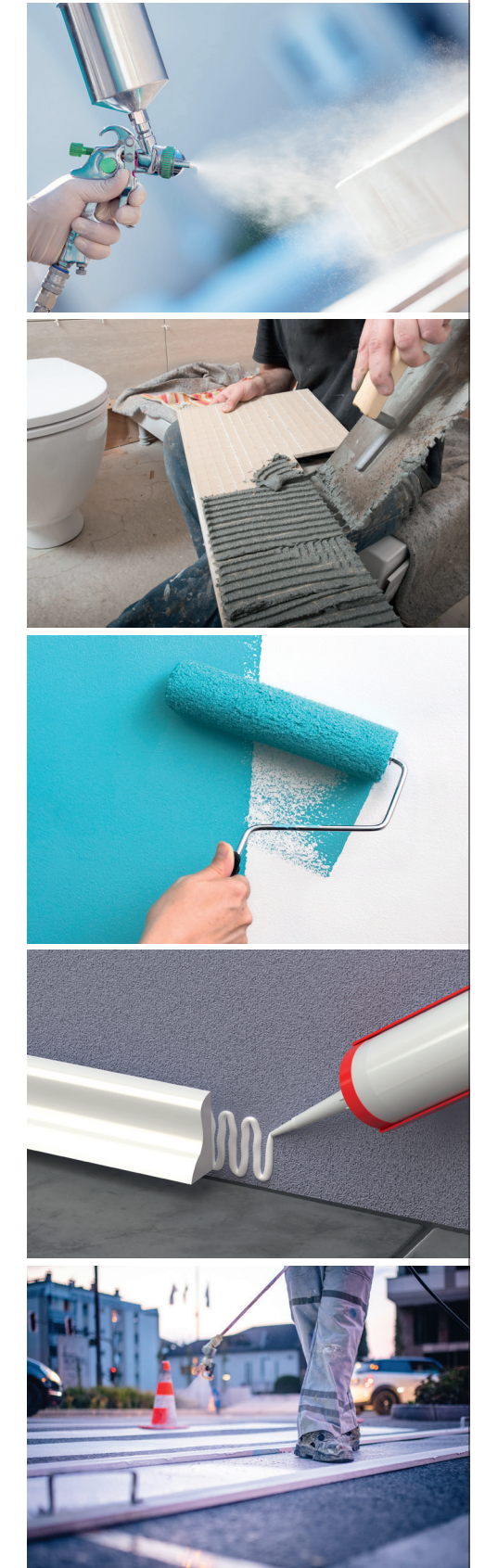
*Ratio of bio-attributed biomass / Total product NF EN 16785



MARKET SOLUTIONS

	Products	Architectural coatings					Industrial coatings					Textile & leather coatings	Traffic paints	Graphic arts	Adhesives & Sealants			
		Interior paints	Exterior paints	Plasters & Renders	Water proofing membranes	Roof coatings	General industry	Industrial wood	Protective & Marine	Intumescent paints	Transportation				PSA	Sealants	Other adhesives	
COAPUR™	XS 22	●●●	●●●		●●	●●	●●●	●●●	●		●●●	●●	●●●	●●●	●●	●	●	
	3020 BB	●●●	●●●		●	●●	●●	●●	●	●	●●	●	●	●	●●●		●	
	3020 / 3025	●●●	●●●		●	●●	●●	●●	●	●	●●	●	●	●	●●●		●	
	2501	●●●	●●●		●	●●	●●	●●●	●	●	●●	●●●	●●●	●●●	●●		●	
	2020 W / 2025	●●●	●●●		●	●●	●●	●●●	●	●	●●●	●●●	●●●	●●●	●●		●	
	XS 12	●●●	●●●		●	●●	●●●	●●●	●	●	●●●	●	●	●●●	●●		●	
	817 BB	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	
	817 W / 830 W	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	
	BR 100 P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	520 W	●●●	●●●		●	●●	●●●	●●●	●	●	●●●	●●●	●	●	●●	●	●	
	XS 83	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●●	●●	●●●	●●●	●	●●●	●●●	
	6050	●	●	●●●	●●●	●●●	●●	●●	●	●	●	●	●	●	●	●●●	●●●	
	980 W	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●	●●●	●●	●●	●●	●	●●●	●●●	
XS 71	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●●	●●●	●●	●●●	●●●	●●●	●●●		
RHEOTECH™	1800	●●●	●●●			●●●	●●●	●●●		●●●	●	●	●	●	●	●		
	2000	●●●	●●●			●●●	●●●	●●●		●●●	●●	●	●	●	●●	●		
	2800	●●●	●●●			●●●	●●●	●●		●●	●	●	●	●	●	●		
	3300	●●●	●●●			●●●	●●	●●		●	●	●	●	●	●	●		
	3800	●●●	●●●	●●	●●	●●●	●	●●	●●	●	●●	●●●	●●	●●	●●●	●●	●●	
	3900	●●●	●●●	●●	●●	●●●	●	●●	●●	●	●●	●●	●●	●●	●●	●●	●●	
	4000 MB	●●●	●●●	●●●	●●●	●●	●●●	●●	●●●	●●	●●	●	●●	●●●	●●	●●●	●●●	
	4000 LC	●●●	●●●	●●●	●●●	●●	●●●	●●	●●	●●	●	●●	●●●	●	●●●	●●●		
	4200	●●●	●●●	●●●	●●●	●●	●●●	●●	●●	●●	●	●●	●●●	●●	●●●	●●●		
	4800	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	●●●	●●●	
	M 02			●●●	●●●										●●●	●●●	●●●	
M 03			●●●	●●●					●●●						●●●	●●●		
THIXOL™	53 L	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●●	●●●	
	50 S	●●	●●	●●	●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	
VISCOATEX™	730	●●●	●●	●●●	●●●	●●●	●●	●●●	●●	●●	●●●	●●●	●●●	●●	●●●	●●●		
	560	●●●	●●	●●●	●●	●●	●●	●●	●●	●●	●●●	●●●	●●●	●●	●●●	●●●		
	46	●●	●	●	●	●	●	●●	●	●	●	●	●	●	●	●		
	330	●●●	●●	●●●	●●	●●	●●	●●	●●	●	●●	●●	●●	●	●●	●●		
	100 S	●●	●	●●●	●●●	●●			●	●	●●	●●	●●	●	●●	●●		
COADIS™	790	●●	●●	●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●		
	123 K	●●	●●●	●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●		
	234 K	●●	●●●	●	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●	●●	●●		
	144 A	●●●	●●●	●	●●	●●●	●●	●●	●●	●●	●●	●●	●	●●	●	●		
	BR 3	●●●	●●●	●	●●	●●●	●●	●●●	●●	●●	●	●●	●●	●	●●	●●		
	BR 85	●●	●●	●	●●	●●	●●	●●	●●	●●	●	●●	●●	●	●●	●●		
	615	●	●	●	●	●	●●●	●●●	●●●	●●●	●●●	●	●●	●	●	●		
	173	●●	●●●	●●●	●●●	●●●	●●	●●	●●	●	●	●	●	●●	●●●	●●		
	A 122	●●	●●●	●	●●	●●	●●	●●	●●	●	●	●	●	●	●	●●		
	OP 10	●	●	●			●	●	●	●	●	●	●	●	●	●		
	335 A												●●●					
	352 N												●●●					
ECODIS™	P 30	●●●	●●●	●●●	●●	●●	●●	●●	●●	●	●●	●●●	●●	●●		●●●	●●	
	P 30 MB	●●●	●●●	●●●	●●	●●	●●	●●	●●	●	●●	●●●	●●	●●		●●●	●●	
	P 50	●●●	●●	●●●	●	●	●	●	●	●	●	●	●	●		●●●	●●●	
	P 50 MB	●●●	●●	●●●	●	●	●	●	●	●	●	●	●	●		●●●	●●●	
	P 500 HR	●●	●●	●●	●	●	●	●	●	●	●	●	●	●		●	●	
	P 90	●●	●●●	●	●●	●●	●●	●●	●●	●●	●●	●	●●●	●	●	●	●	
	P 90 MB	●●	●●●	●	●●	●●	●●	●●	●●	●●	●●	●	●●●	●	●	●	●	
	PE 620	●	●●		●	●	●	●	●	●	●	●	●	●		●	●	
	40	●●	●	●●	●	●	●	●	●	●	●	●	●	●		●●●	●●●	
	80	●	●●	●	●	●●	●●	●●	●●	●●	●	●	●	●		●	●	
	N	●●●	●●	●●●	●	●	●	●	●	●	●	●	●	●		●●●	●●●	
	326													●●●				
	345													●●●				

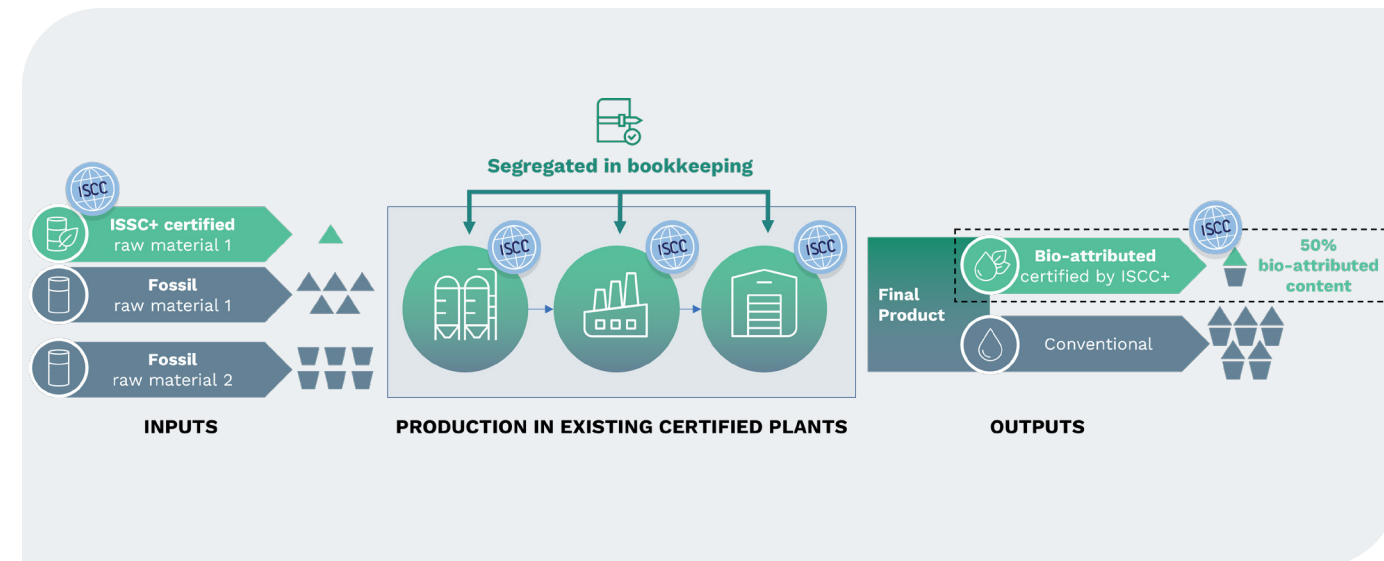
Possible ● - Suitable ●● - Recommended ●●●



FOCUS on MASS BALANCE approach

A bio-based offer using mass balance approach to transition to a more circular and lower carbon economy

Arkema is now offering a brand-new bio-based acrylic materials offer using the “Mass Balance” approach. This new offer allows our customers to benefit from a product range coming from renewable feedstocks with a lower carbon footprint compared to the fossil version.



What is the “Mass Balance” approach?

The “Mass Balance” approach consists in replacing fossil by renewable feedstocks as the origin of the supply chain, segregating by bookkeeping the quantity of renewable material and “attributing” this quantity to finished products at the end of the chain.

The “Mass Balance” approach requires no modification to the process, or new product accreditation as the high quality and performance of the products remain the same, which makes it easier for our customers to take them up.

Certifying the traceability of this bio-based origin

To ensure the traceability of our “Mass balance” products, our whole supply chain is certified by a third party according the ISCC+ standards. We provide our customers with certificates that guarantee the share of bio-based feedstock in the product they are purchasing.

The ISCC-PLUS certification of the whole supply chain guarantees that the origin of the renewable sources meets ISCC+ standards for sustainable feedstocks.

For more details from our website:



Ask questions to our experts



Library – docs & webinars



Web services – TDS – sampling



Interactive product selectors & brochures



coatingmaterials.arkema.com

Please consult Arkema’s disclaimer regarding the use of our products on: <http://www.arkema.com/en/products/product-safety/disclaimer/>



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