



ARKEMA COATING RESINS - ASIA PACIFIC - 10/2017

ARKEMA COATING RESINS PRODUCTS - WATERBORNE RESINS

ASIA PACIFIC

Waterborne Resins Coatex Additives

You can expect more choices
from Arkema Coating Resins
And we deliver.

Europe

Headquarters

- Arkema - Colombes, France
- Coatex - Genay, France

Technical and R&D Centers

- Boretto, Italy - Coating Resins
- Genay, France - Coatex
- Sant Celoni, Spain - Coating Resins
- Verneuil, France - Coating Resins - Sartomer

Production Facilities

- Boretto, Italy - Coating Resins
- Brummen, The Netherlands - Coating Resins
- Drocourt, France - Coating Resins
- Gissi, Italy - Coating Resins
- Genay, France - Coatex
- Moerdijk, The Netherlands - Coatex
- Mollet, Spain - Coating Resins
- Sant Celoni, Spain - Coating Resins
- Stallingborough, United Kingdom - Coating Resins
- Villers St-Paul, France - Coating Resins - Sartomer
- Zwickau, Germany - Coating Resins

Americas

Headquarters

- Arkema Coating Resins - Cary, NC
- Arkema Inc. - King of Prussia, PA

Technical and R&D Centers

- Araçariquama, Brazil - Coatex - Coating Resins
- Cary, NC - Coating Resins
- Chester, SC - Coatex
- King of Prussia, PA
- North Kansas City, MO - Coating Resins

Production Facilities

- Alsip, IL - Coating Resins
- Araçariquama, Brazil - Coatex - Coating Resins
- Chester, SC - Coatex
- Grand Rapids, MI - Coating Resins
- North Kansas City, MO - Coating Resins
- Saint Charles, LA - Coating Resins
- Saukville, WI - Coating Resins
- Torrance, CA - Coating Resins

Africa

Production Facilities

- Isipingo Durban, South Africa - Coating Resins

Asia

Headquarters

- Arkema Greater China - Shanghai, China
- Arkema K.K. - Tokyo, Japan

Technical and R&D Centers

- Changshu, China - Coatex
- Guangzhou, China - Sartomer - Coating Resins
- Kyoto Technical Center, Japan
- Navi Mumbai, India - Coating Resins
- Pasir Gudang, Malaysia - Coating Resins

Production Facilities

- Changshu, China - Coatex - Coating Resins - Kynar
- Kunsan, Korea - Coatex
- Navi Mumbai, India - Coating Resins
- Pasir Gudang, Malaysia - Coating Resins

Arkema Coating Resins

Changshu factory: No. 18 Haining Rd, High-tech Fluorochemical Industrial Park of Changshu, 215522 Jiangsu, China

Shanghai office: 12/F, Block 8, Life Hub@Daning, 1968 Gonghexin Rd, 200072 Shanghai, China

Guangzhou office: Room 3701-04, Onelink Center, No. 230, Tianhe Rd, Tianhe District, 510620 Guangzhou, China

Contact:

Tel: +86 21 6147 6888 ext. 274

E-mail: kitty.jiang@arkema.com

asia.arkemacoatingresins.com

ARKEMA
INNOVATIVE CHEMISTRY

ARKEMA
INNOVATIVE CHEMISTRY



DELIVERING MORE CHOICES IN POLYMERS

When you evaluate the raw materials for your formulated products, Arkema Coating Resins offers a wide range of technology platforms to choose from to meet your exact requirements. Our goal is to help you identify a product from our line that enables you to formulate a competitive advantage into your product line.

Our Extensive Line of Polymer Types

CELOCOR® Opaque Polymers

CELOCOR® opaque polymer is a highly efficient, voided latex product that improves hiding and whiteness in paints and coatings, and functions as a partial replacement for titanium dioxide (TiO₂).

ENCOR® Polymers

Vinyl, styrene-acrylic and acrylic emulsions based on APEO-free surfactants. A pure acrylic backbone imparts high UV resistance and non-yellowing properties. Using special monomers and technologies, acrylics can also be designed to achieve a high level of performance, including wet adhesion and stain-blocking resistance for demanding applications such as isolating wall and wood coatings, primers and facade paints.

SNAP® Structured Nano-Acrylic Polymers

With new SNAP® technology, it is easy to reach both the necessary rheological profile to give excellent application properties and also enable excellent film formation at low VOC.

SYNAQUA® Water-borne Alkyds

The SYNAQUA® product line provides alkyd technology in a waterborne system. The products in this range can be formulated alone or in combination with specific ENCOR® or SNAP® polymers to impart alkyd properties into paints and varnishes.

RHEOTECH®, COAPUR®, THIXOL® and VISCOATEX®

Thickeners from COATEX for aqueous systems.

COADIS® and ECODIS®

Dispersants from COATEX for aqueous systems.



Helping you achieve performance, value and sustainability in your coatings formulations.

Arkema is one of the leading suppliers of raw materials for coatings. Our objective is simple – help all of our coatings customers grow by meeting their needs, on every continent, for:

- Enhanced performance through innovative product technology that includes waterborne, solventborne, photocure, high solids, and powder coating resins; additives and rheology modifiers; and a wide range of specialty materials.
- Enhanced value by offering choices that help you find the best balance of performance and cost.
- Enhanced sustainability by providing products and technology that help you meet specific environmental regulations as well as your own sustainability goals.

Table of Contents

For Architectural Coatings	2
For Construction Chemicals & Sealants	4
For Traffic Coatings	4
For Metal Coatings	6
For Industrial Wood Finishes	8
For Adhesives - PSA	10
Coatex Dispersants & Thickeners	12



SYNAQUA®
BY ARKEMA

CELOCOR®
BY ARKEMA

ENCOR®
BY ARKEMA

SNAP®
BY ARKEMA

ENVIA®
BY ARKEMA

COATING
RESINS
ARKEMA GROUP

FOR ARCHITECTURAL COATINGS

Product Code	Solids %	pH	Average particle size (µm)	Viscosity (cP)	MFFT (°C)	Tg (°C)	Application reference										Properties	
							Interior	Exterior	Elastomeric	Stone/stucco	Primer		Clear topcoat	Gloss	Low VOC formulation	Envia		
ACRYLIC																		
ENCOR 662	50	8.5	0.20	<500	14	18	•								•	✓	Excellent dirt pick-up resistance, wet scrub resistance and block resistance.	
ENCOR 2741 CS	46	8.5	0.18	<100	20	24	•	•							•	✓	Excellent water resistance and wet scrub resistance.	
ENCOR 2750 CS	50	8.5	0.15	<200	30	35	•	•							•	✓	Excellent dirt pick-up resistance, water resistance and wet scrub resistance.	
STRUCTURED NANO-ACRYLIC POLYMER																		
SNAP 720 CS	49	7.0	0.08	<500	0	-	•	•						•	•	•	✓	Excellent gloss and adhesion, outstanding block resistance, dirt pick-up resistance and exceptional film hardness at low or zero VOC with ammonia-free.
SNAP 728	49	7.0	0.10	<500	0	-	•	•						•	•	•	✓	Excellent gloss and adhesion, outstanding block resistance, dirt pick-up resistance and exceptional film hardness at no or low VOC.
STYRENE ACRYLIC																		
ENCOR R64	30	8.0	0.04	<20	<1	-											•	Fine particle size binder for penetrating primers with good water resistance.
ENCOR 2100 CS	50	8.0	0.15	<2500	0	-	•	•	•							•	✓	Low MFFT and high binding power and compatibility with silicates, good balance between elongation and tensile strength.
ENCOR 2470	47	8.0	0.12	<4000	19	20	•	•							•	•	✓	Universal binders for interior and exterior paints, plasters and silicate based coatings.
ENCOR 2478	48	7.0	0.12	<500	29	35	•	•		•						•		Good pigment parceling ability, excellent scrubbing and chalking resistances, superior water, hydrolysis and alkali resistances, low VOC potential, formaldehyde & APEO free.
SILICON MODIFIED ACRYLIC BASED																		
ENCOR 2781	47	7.0	0.10	<2000	24	-		•		•					•		✓	Good bonding strength on substrates, durable resistance & calcium ions stability, offering excellent water resistance and water whitening resistance and wet scrub resistance.
MODIFIED ACRYLICS																		
EP 24038	46	7.5	0.07	-	15	18		•		•	•							Superior water whitening resistance and hydrophobicity which is transparent, low odor, environmental-friendly and has good working ability.
ENCOR 6430	45	8.5	0.07	150	45	50	•	•							•			Ultra-small particle size, hydrophobic emulsion with ambient self-crosslinking ability.
OPAQUE POLYMER																		
CELOCOR CS	30	8.0	0.45	<500	-	-	•	•								•	✓	A voided latex particle that imparts hiding and function as a partial replacement for Titanium Dioxide.
CELOCOR AF CS	30	8.0	-	<500	-	-	•	•								•	✓	A new voided latex particle that imparts better hiding than the old, which is ammonia free.

• Recommended



The product data provided in this document are typical values, intended only as a guides, and should not be construed as sales specifications.

FOR CONSTRUCTION CHEMICALS & SEALANTS

Product Code	Solids %	pH	Average particle size (µm)	Viscosity (cP)	MFFT (°C)	Tg (°C)	Application reference								Properties			
							Tile Adhesives /Mastics	Seal structure	Tape Joint & Spackle	Concrete Admix & EIFS	TK water proofing	Clear water proofing	Cement modifications	Mortars & Grouts				
ACRYLIC																		
ENCOR 154S	60	4.5	0.40	350	<0	-4	•	•									A versatile acrylic binder for a wide range of adhesive and sealant applications.	
ENCOR 169S	62	6.0	0.40	500	<0	-22		•									For high performance clear and pigmented sealants. It combines exceptional stress strain properties with a low Tg to provide the elasticity required to meet the highest sealant standards.	
ENCOR 413 CS	47	9.5	0.30	≤100	11	13	•			•						•	An acrylic emulsion polymer specifically designed for polymer modification of cement compositions.	
STRUCTURED NANO-ACRYLIC POLYMER																		
SNAP 720 CS	49	7.0	0.30	<500	0	-							•				Excellent gloss and adhesion, outstanding block resistance, dirt pick-up resistance and exceptional film hardness at low or zero VOC with ammonia-free.	
MODIFIED ACRYLIC																		
EP 24038	46	7.5	0.07	-	15	18							•				Superior water whitening resistance and hydrophobicity which is transparent, low odor, environmental-friendly and has good working ability.	
STYRENE ACRYLIC																		
ENCOR 145 CS	48	8.5	0.18	≤1000	29	32	•		•	•						•	Its combination of high molecular weight and hydrophobic nature provides value for diverse applications as spackling compounds, 1k/2k tile adhesives and exterior insulation adhesives. Its small particle size and carboxyl functionality provides excellent stability and pigment wetting.	
ENCOR R161N CS	56	7.0	0.35	<1500	<0	-8	•	•		•						•	•	Excellent alkali resistance and good compatibility with hydraulic binders and anionic bitumen emulsions, good balance of elongation and tensile strength. APEO, formaldehyde and ammonia free.
ENCOR 446 CS	62	6.0	0.30	<1000	6	12	•	•		•						•	•	High dry-film adhesion including low energy surface and yields tough, flexible films. For 2k rigid waterproofing mortars and other special cement modifications.
ENCOR 2470	47	8.0	0.12	<4000	19	20							•				Excellent alkali resistance, good balance of elongation and tensile strength for 1k waterproofing coatings without APEO and formaldehyde.	
ENCOR 5176	62	6.0	0.30	<1000	6	12	•	•		•						•	•	High dry-film adhesion including low energy surface and yields tough, flexible films. For 2k rigid waterproofing mortars and other special cement modifications.
ENCOR 5181 CS	56	7.0	0.35	<1500	<0	-8	•	•		•						•	•	Excellent alkali resistance and good compatibility with hydraulic binders and anionic bitumen emulsions, good balance of elongation and tensile strength. APEO, formaldehyde and ammonia free for 2k waterproofing coatings.
ENCOR 5432	50	8.0	0.15	<5000	33	35		•										A self-crosslinking latex, high pigment wetting properties, excellent hydrophobicity and very good adhesion on mineral substrates. Also free from coalescing agents, plasticizers and APE surfactants.
ENCOR 5525 CS	49	7.0	0.25	<300	15	16	•			•						•	•	Specifically designed for 2k rigid waterproofing mortars and other special cement modifications. Good workability, environmental-friendly with no APEO & formaldehyde.
ENCOR 5188	56	7.0	0.35	<1500	<0	-8	•	•		•						•	•	Excellent alkali resistance and good compatibility with hydraulic binders and anionic bitumen emulsions, good balance of elongation and tensile strength. APEO, formaldehyde and ammonia free.

• Recommended

FOR TRAFFIC COATINGS

Product Code	Solids %	pH	Average particle size (µm)	Viscosity (cP)	MFFT (°C)	Tg (°C)	Properties
ACRYLIC							
ENCOR DT 100	60	9.0	0.23	700	20	10	Specifically for use in general purpose traffic paint formulations that require standard dry time performance.
ENCOR DT 211	50	10.5	0.20	<300	17	24	Contains patented Fast Dry Technology that makes for "Fast Dry" formulations that exhibit superior "No Tracking" and "Dry Through" properties.
STYRENE ACRYLIC							
ENCOR DT 250	50	10.5	0.20	<300	19	24	Second generation "Fast Dry" emulsion which exhibits high binding efficiency and exceptional abrasion resistance.
ENCOR DT 400	50	10.5	0.20	300	18	23	A high performance binder for durable, fast dry waterborne traffic markings applied at higher line thicknesses.

The product data provided in this document are typical values, intended only as a guides, and should not be construed as sales specifications.



FOR METAL COATINGS

Product Code	Solids %	pH	Average particle size (µm)	Viscosity (cP)	MFFT (°C)	Tg (°C)	VOC (g/L)	Application reference								Properties		
								Primer	Topcoat	Directly used for metal substrates	Packing & can	Maintenance metal	General Metal	Protective & marine	Transportation		Agricultural equipment	
ACRYLIC																		
ENCOR 2171	43	7.5	-	<1000	44	-	-		✓				•	•	•	•	•	Fast drying and good chemical resistance (1.3% OH on solids).
ENCOR 2433	50	9.0	0.12	<2000	20	-	-	✓	✓	✓			•	•	•	•	•	Based on Arkema's proprietary SECHA technology, it gives good adhesion to different anti-corrosive pigments.
STYRENE ACRYLIC																		
ENCOR DM99	42	7.5	0.1	600	31	46	-	✓	✓	✓			•	•		•	•	Excellent gloss development, block resistance characteristics and excellent water resistance, good adhesion to a variety of substrates with good solvent, humidity, and corrosion resistance.
ENCOR DM109	47	8.0	0.13	600	30	40	-	✓	✓	✓			•	•		•	•	For wide temperature and humidity application window, excellent early water resistance and excellent adhesion to a variety of metal surfaces.
ENCOR DM166	41	7.5	0.09	250	27	37	-	✓	✓	✓			•	•		•	•	Excellent pigment binding properties, good gloss and block characteristics.
VERSATATE ACRYLIC																		
ENCOR 820	45	8.5	0.07	150	17	20	50			✓			•	•				Ultra-small particle size, hydrophobic latex that provides outstanding water resistance.
ENCOR 6430	45	8.5	0.07	150	45	50	100		✓	✓			•	•				Ultra-small particle size, hydrophobic latex with ambient self-crosslinking ability.
WATERBORNE ALKYDS																		
SYNAQUA 2350 EP 60	60	-	-	3250	-	-	-	✓	✓				•	•				Good adhesion to glass.
SYNAQUA 3510 SW 80	80	-	-	20000	-	-	-	✓	✓	✓			•	•	•		•	2K PU topcoat with high gloss, good chemical and corrosion resistance.
SYNAQUA 4804	50	7.0	0.25	<300	-	-	0	✓	✓	✓			•	•				An APEO and ammonia-free short oil alkyd emulsion with good corrosion resistance. Low VOC and high gloss.
SYNAQUA 811 S 48	48	-	-	10000	-	-	-		✓			•	•					In water soluble stoving systems to eliminate cissing & other defects on topcoats.

• Recommended



The product data provided in this document are typical values, intended only as a guides, and should not be construed as sales specifications.

FOR INDUSTRIAL WOOD FINISHES

Product Code	Solids %	pH	Viscosity (cP)	MFFT (°C)	Application reference								Properties	
					Joinery		Furniture			Flat-Stock		Stain		
					Primer	Topcoat	Clear Sealer	Clear Topcoat	Pigmented Sealer	Pigmented Topcoat	Panelling			Parquet
ACRYLIC														
ENCOR 2171	43	7.5	<1000	44			•	•		•	•			Dual-cure self crosslinking and hydroxy functional. Fast drying 2K PU (1.3% OH on solids).
ENCOR 2173 CS	40	8.0	<100	43			•	•		•	•		•	Self crosslinking emulsion for furniture. Fast hardening and sanding.
ENCOR 2229 CS	50	4.5	<200	10								•		General purpose alkali-soluble for panelling. Excellent transfer efficiency.
ENCOR 2701	50	4.0	<3000	59								•		High Tg alkali-soluble for roller applied fillers for panelling.
ENCOR 2710	42	8.5	<200	4	•									Low MFFT binder for stain-blocking primers.
ENCOR 2711	43	9.0	<1000	15	•									Sandable stain-blocking primers.
ENCOR 2718	45	8.0	<1000	<0			•	•		•	•			UV curable dispersion. High functionality. Hardness scratch and chemical resistance.
SNAP 2147	43	8.0	<1000	8			•	•		•	•			Self-crosslinking design for combination with ENCOR 2718 in cost effective formulation.
STYRENE ACRYLIC														
ENCOR 2455	41	6.5	<150	60						•	•			Wood stain with homogeneous colouring effect.
VINYL VERSATATE														
ENCOR 2322	50	4.5	<6000	<5								•		Universal binder for interior & exterior plasters and wall paints with good durability & excellent application properties.
MODIFIED POLYESTER														
SYNAQUA 3510 SW 80	80	-	20000	-									•	2K PU topcoat with high gloss, good chemical & corrosion resistance.

• Recommended



The product data provided in this document are typical values, intended only as a guides, and should not be construed as sales specifications.

FOR ADHESIVES - PSA

Product Code	Solids %	pH	Average particle size (µm)	Viscosity (cP)	Tg (°C)	Typical properties*			Application reference				Properties	
						Loop tack	180 peel	Shear	Packing tapes	Paper/filmic labels	Paper/filmic lamination	Protective films		
ACRYLIC														
ENCOR 4500	68	5.5	0.40	1250	-47	12	12	100		•				High solids with low viscosity, very high peel adhesion and tack, FDA 21CFR175.105, BfR XIV & XXXVI compliant, EU Dir. 2002/72/EC and amending Directives compliant.
ENCOR 4509	59	4.5	0.43	500	-43	6	8	>200	•	•		•		Good balance of adhesion and cohesion, High SAFT (Shear Adhesion Failure Temperature, > 185°C), FDA 21CFR176.170 & 176.180 compliant, BfR XIV compliant, EU Dir. 2002/72/EC and amending Directives compliant.
ENCOR 4517	68	4.5	0.35	800	-41	10	11	>200		•	•			Good response to tackifiers, FDA 21CFR175.105 and BfR XIV compliant.
ENCOR 9285	50	8.0	0.30	280	-38	12	12	100		•	•			Good balance of adhesion and cohesion, excellent transparent and water whitening resistance, suitable for clear on clear label adhesive.
ENCOR 9466 CS	63	5.5	0.40	200	-40	10	12	>200	•	•				High solids with low viscosity, exceptional tackifier response. FDA 21 CFR 175.105 compliance.
ENCOR 9808 CS	55	8.5	0.30	≤250	-42	14	13	100	•	•				Excellent clarity and water whiteness, outstanding balance of peel, tack and cohesive strength, good adhesion to low surface energy surfaces.
STYRENE ACRYLIC														
ENCOR 446 CS	62	6.0	0.30	<1000	12								•	A very low surfactant fast dry latex for use in applications such as waterresistant construction adhesives, barrier coatings and structural adhesives, which features high dry-film adhesion to various substrates, inc. low energy surfaces, yields tough, flexible films.

* Coating Weight: 20g/m²; Loop tack: FTM 9 on SS; 180 peel: FTM 1 20 mins on SS; Sheer: FTM 8

FOR ADHESIVES - WET LABELING

Product Code	Solids %	pH	Viscosity (cP)	Tg (°C)	Ice/water resistance	Caustic resolubility	Application reference		Properties
							PET bottles	Glass bottles	
ALKALI SOLUBLE ACRYLIC									
ENCOR 4281 CS	50	4.5	<200	30		+++		•	High thickening power. Excellent resolubility.
ENCOR 4282	50	3.0	<500	17	+	+++	○	•	Wide thickening plateau. Excellent resolubility. FDA 175.105 compliant.
ENCOR 4284	50	5.0	<200	18	++	++	○	•	Wide thickening plateau. Good resolubility.

• Recommended
○ Suitable



The product data provided in this document are typical values, intended only as a guides, and should not be construed as sales specifications.

COATEX DISPERSANTS

Product Code	Chemistry Type	Diluent	Solids Content (%)	pH of Use	Polyphosphate Replacement	High PVC	Water Resistant	Low level of use	Alkyl Phenol Ethoxylate (APEO) Free	Dispersant of Mineral Pigments	Dispersant of CaCO3	Dispersant of TiO2	Dispersant of Fe2O3	Dispersant of ZnO	Clay Dispersant	Dispersant of Organic Pigments	Properties
COADIS A122	Sodium Salt of an Acrylic Copolymer	Water	35	5-14		○		●	●	●	○	○	●	●	○		Paints and coatings containing ZnO.
COADIS BR3	Potassium salt of an Acrylic Copolymer	Water	40	5-14		○	●	○	●	●	○	●	●	○	○		Gloss and semi-gloss paints, Flat paints/Silicate paints, Fe2O3, TiO2 dispersions.
COADIS 123K	Potassium salt of an Acrylic Copolymer	Water	24	5-14		●	●		●	○	●	●	○	○		●	Water resistant at and textured paints. Gloss and semi gloss paint. Dispersions of organic pigments.
COADIS BR85	Polyalkoxylated Copolymer	Water	35	5-14			●	○	●		○	●	○	○	○	○	Gloss and semi-gloss alkyd emulsion paints. TiO2 Optimization with proprietary of Bumper Technology.
ECODIS P90	Ammonium Polyacrylate	Water	40	5-10	●	●		●	●	●	○	○	○	○	○		Water resistant at paints. Thick Im coatings.
ECODIS P50	Sodium Polyacrylate	Water	40	5-14	●	●		●	●	●	○	●	○	○	●		Odourless at paints. Odourless thick Im coatings. Silicate paints.
ECODIS P30	Sodium Polyacrylate	Water	42	5-14	●	●		●	●	●	○	●	○	●			Odourless at paints. Odourless thick Im coatings. Silicate paints.
ECODIS P500HR	Sodium Polyacrylate	Water	40	5-14	●	●	○	●	●	●	○	●	○	○	○		Odourless at paints. Odourless thick Im coatings. Silicate paints.

- Recommended
- Suitable

COATEX THICKENERS

Product Code	PH value range	General Selection Criteria						Targeted Rheological Effects			Typical Formulations											
		Low VOC	Alkyl Phenol Ethoxylate (APEO) free	Non pH dependent	Water/ scrub resistance	Improved compatibility with pigment	Spray application	Low shear (Brookeld)	Medium shear (Stormer)	High shear (Cone & Plate)	Architectural Paints				Thick Im coatings				Sealants	Wood coatings		Anti-corrosion paints
											Low cost matt	Quality matt	Silk/ Semi-gloss	Gloss	Plasters	Textured coatings	Tile adhesives	Waterproof membrane		Wood stains	Lacquers & Vanishes	
ACRYLIC																						
VISCOATEX 46	>8	●	●			●	●					★				★★	★	★	★			
VISCOATEX 730	>8	●	●		●	●	●					★★★	◇			★★★	★★★	★★	★	★★★	★	★
THIXOL 53 L	>8	●	●		●	●	●					★★	◇			★★★	★	★★	★★★	★★★	★★★	◇
ASSOCIATIVE ACRYLIC																						
RHEOTECH 2000	>8	●	●		●			●	●				◇	★★★	★★★							
RHEOTECH 2800	>8	●	●		●			●	●			★	★★★	★★★	★★★							
RHEOTECH 3800	>8	●	●		●	●	●	●	●			★★★	★★	★★								
RHEOTECH 4800	>8	●	●		●	●	●	●	●			★★★	★★	★		★★★	★★★	★★		★★	◇	
POLYURETHANE																						
COAPUR 2025	>4	●	●	●	●	●			●				◇	★★★							★★★	★
COAPUR 3020	>4	●	●	●	●	●			●				◇	★	★★★					◇	★★★	★
COAPUR 830W	>4	●	●	●	●	●		●	●			★★	★★★	★								★
COAPUR 975W	>4	●	●	●	●	●	●	●	●			★★★	★★★	★★	★	★			★★★	★★	★★★	★
COAPUR 6050	>4	●	●	●	●	●	●	●	●			★★★		★	★	★			★★★	★★	★★	★★
COAPUR XS 71	>4	●	●	●	●	●	●	●	●			★★★	★★		★	★	★		★★★	★★	★★★	★★
COAPUR XS 22	>4	●	●	●	●	●			●				◇	★★★	★★★				★	★	★★★	★★

Ranking

- ★ suits to the application
- ★★ imparting technical improvements
- ★★★ Advatageously impacting quality and/or cost effectiveness. Strongly recommended.
- ◇ In combination with other thickeners
- Recommended

The product data provided in this document are typical values, intended only as a guides, and should not be construed as sales specications.