



Emulsion Polymer Solutions

EMULSIONS FOR COATED PAPER & PAPERBOARD NORTH AMERICA

Commitment to the paper industry for future innovations

Celanese wants to be your partner and solutions provider in paper and paperboard coatings. We have a long history of developing high-performance emulsions for use in coatings formulations.

Celanese has three emulsions manufacturing facilities in North America in addition to our technical service center with upgraded labs in Florence, Kentucky. We offer the expertise of our trained paper application development team to assist you in meeting your critical requirements and help you develop your future successes.

We are collaborating with major universities to verify and refine new products before they are trialed with customers. Our goal is to give you the information needed to take your projects to the next step.

We understand your needs and offer emulsions to help you meet your requirements such as dry strength, gloss, brightness and opacity. We can also help meet the needs of your downstream customers, including printers, converters and marketers with properties such as ink receptivity and carton glueability and foldability.



Britecoat® Emulsions

BriteCoat® emulsions are made specifically for use in the paper and paperboard coatings. They are designed to help you meet or exceed your critical quality requirements while

offering an alternative to your current SB and SA chemistries. Ask us how BriteCoat® emulsions can help you meet your quality, process and value targets today.

Emulsions for Paper & Paperboard Coatings

Polymer	Emulsions properties									Paper		Board			Critical quality requirements											Polymer		
	Polymer Type	Tg [°C]	Particle Size (nm)	Solids [°C]	pH	Viscosity [cps]	APE-Free	Particle Charge	Stabilization	Coated-Free Sheet	Light Weight Coated	Bleached Paperboard	Unbleached Paperboard	Recycled Paperboard	Gloss	Brightness	Opacity	Smoothness	Stiffness	Porosity	Dry Strength	Wet Strength	Ink Receptivity	Carton Glueability	Foldability		Scuff Resistance	
BriteCoat® 819	PVAc	35	200	50	6.5	100	No	A	Surfactants	•	•	••	•	•	••	••	••	••	•	••	•••	••	••	••	••	••	•	BriteCoat® 819
BriteCoat® 852	VA-Acrylic	25	200	50	6.5	500	No	A	Surfactants			•	••	••	••	•	•	•	•	••	••	•	•	•	•	•	BriteCoat® 852	
Resyn® 1103	PVAc	30	200	47	6.5	50	No	A	Surfactants			•			•••	•••			•••	•••	•		•••	•••	•	••	Resyn® 1103	
Resyn® 1190	PVAc	30	200	50	6.5	100	No	A	Surfactants	•	•	••	•	•••	•••	•••			•••	•••	•	•	•••	•••	•	•••	Resyn® 1190	

A = Anionic
N = Nonionic

S = Surfactants
P = PVOH

• Suitable •• Recommended ••• Highly recommended

* These emulsions are compliant with: 21 CFR 175.105, 21 CFR 176.170, 21 CFR 176.180; provided that the finished adhesive is used in accordance with the limitations in Section 175.105(a)(2).





EMULSION POLYMERS

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