CRAYVALLAC[®] SUPER

Micronised Amide Wax Rheology Modifier

Product Benefits	CRAYVALLAC [®] SUPER is a high performance, mic modifier suitable for a wide range of solvent-based, applications.	ronised amide wax rheology high-solids and solvent-free	
	CRAYVALLAC [®] SUPER overcomes those difficulties which exist with hydrogenated castor oil based rheology modifiers e.g. seeding and false-body. Consequently, coatings formulated using CRAYVALLAC [®] SUPER exhibit an enhanced performance.		
	CRAYVALLAC [®] SUPER is best incorporated and activated using a high-speed disperser. It is usually best added along with the initial charge of resin during the pigment dispersion and grind stage. Efficient activation will be achieved by allowing the temperature during this dispersion process to rise to 50 – 60°C (122 - 140°F) depending on the coating system characteristics. For the best results this condition of dispersion and temperature should be maintained for 15 – 30 minutes.		
	The use of high-speed dispersers is ideal in that they generate both the necessary shear and temperature required for full dispersion and activation. The activation process constitutes the conversion of the CRAYVALLAC® SUPER particles to an interacting network of fibre-like particles. It is this network that gives rise to the final coating's shear thinning rheology. This shear thinning characteristic provides a very high viscosity under the low shear rates associated with sedimentation, and a low viscosity at the much higher application shear rates. The net result is excellent control of sedimentation combined with ease of application.		
	Immediately following application, where low shear the coating's viscosity undergoes a time dependent establishes itself. This time dependence is known a final coating to attain very good levelling.	conditions again predominate, recovery as the network re- s thixotropy and enables the	
	The following table gives general temperature guide disperser activation of CRAYVALLAC [®] SUPER in va	lines for the high-speed arious solvent systems:	
	Dearomatised mineral spirits	55 - 60°C (131 - 140°F)	
	Mineral spirits	50 - 55°C (122 - 131°F)	
	Aromatic hydrocarbons	40 - 50°C (104 - 122°F)	
	Aromatic hydrocarbon/ Alcohol blends	40 - 50°C (104 - 122°F)	
	Aromatic hydrocarbon/ Glycol ether blends	40 - 50°C (104 - 122°F)	
	Aromatic hydrocarbons/ Ester blends	40 - 50°C (104 - 122°F)	
	Solvent-Free	55 - 65°C (131 - 149°F)	
	For the stronger solvent systems such as xylene blended with alcohols, glycol ethers or esters it may be possible to use CRAYVALLAC® ULTRA in the place of CRAYVALLAC® SUPER. This would lead to greater confidence with regard to false-body and seeding issues.		
	With moisture cured methoxysilane based sealants, we strongly recommend that all additives be guickly dispersed and not allowed to remain in direct contact with		

With moisture cured methoxysilane based sealants, we strongly recommend that all additives be quickly dispersed and not allowed to remain in direct contact with the resin component. Prolonged contact may sometimes result in the formation of an insoluble fine skin which later appears as small particles in the final sealant.





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Performance Benefits	 100% Active Imparts shear thinning rheology with thixotropic viscosity Excellent sag resistance Very good anti-settle properties Good storage stability 	
Recommendations for Use	Anti-Settling and Sag Resistance	0.5 - 1.5%
Sales Specifications	Particle size distribution:	
	(Malvern Mastersizer S laser particle size analyser) (CR005)	
	DV. 1 min.	1.8 μm
	DV. 9 max.	15.0 μm
Other Properties	Density at 25°C (77°F), g/cm³ (CR006)	0.98
	Bulk density, g/cm ³ (CR016)	0.4-0.6
	Appearance	Off white powder
	Capillary Melting Point (CR003)	120-130°C
		(248-266°F)





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Product Safety	Before handling the materials listed in this bulletin, read and understand the product MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information. For environmental, safety and toxicological information, contact our Customer Service Department at 1-866-837-5532 to find an MSDS, or visit our web site: www.arkemacoatingresins.com	
	No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.	
	Arkema Coating Resins requests that the customer read, understand, and comply with the information contained in this publication and the current MSDS(s). The customer should furnish the information in this publication to its employees, contractors, and customers, or any other users of the product(s), and request that they do the same.	
Storage and Handling	Follow procedures typically recommended for polymer dispersions. Use corrosion- resistant storage tanks and piping. Air-operated diaphragm pumps are preferred. Avoid temperature extremes. Do not freeze; store between 5°- 30°C. Under these conditions the product may be stored for up to 4 years from production date.	



Arkema Coating Resins 410 Gregson Dr. Cary, NC 27511

Telephone: 1.800.777.8227

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