

Coatings Additives for Waterborne Applications



King Industries, Inc. is a leader in additive development for the paint and coatings industry and a global supplier of specialty chemicals. King offers a broad range of high performance catalysts, corrosion inhibitors, rheology modifiers, resin modifiers and surface control additives used in a variety of applications including automotive, aerospace, floor and general industrial. With changing regulations and an increased need for environmentally friendly products, King has the technical service and knowledge to assist you in reaching specific requirements for your waterborne formulation.

NACURE® CATALYSTS

A wide variety of strong and weak acid catalysts for waterborne applications. Choosing the correct catalyst will optimize a coating in several ways, including enhanced cure speed, improved long term stability and better film performance.

NACORR® CORROSION INHIBITORS

Specialty corrosion inhibitors that prevent corrosion by two distinct mechanisms, passivation and moisture barrier. While NACORR corrosion inhibitors perform well on their own, they are also known for their synergy with anti-corrosive pigments to boost salt spray resistance.

K-KAT® NON-TIN CATALYSTS

Non-tin metal compounds designed to accelerate the crosslinking reaction of isocyanates with polyols, while offering a range of performance advantages, including improved pot life/cure time relationship, less gassing in the presence of humidity, improved low temperature cure response and excellent film properties.

K-FLEX® & K-POL® RESIN MODIFIERS

Low molecular weight polyester and urethane diols designed to increase flexibility and impact resistance, while maintaining hardness and providing an array of additional performance benefits.



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Additives for Waterborne Applications

NACURE® CATALYSTS

○ Effective ◐ Very Effective ● Most Effective

	Automotive	Can	Coil	General Industrial	Wood	Paper	Inks	Plastics
NACURE 155	●	●	◐	◐	○		◐	○
NACURE 2500	○	◐	◐	●		○		○
NACURE 2547	○			●		○		
NACURE 3525	●	◐	●	◐			◐	
NACURE X49-110	●	◐	●	◐			◐	
NACURE 5225	●		◐	○				
NACURE 5925		●		○				
NACURE 8924				◐	●	●		●

NACORR® CORROSION INHIBITORS

	Automotive	Coil	General Industrial
NACORR 1151	●	●	●
NACORR 1389	●	●	●
NACORR 1652	◐	●	●
NACORR 1754	◐	◐	◐
NACORR 4426			◐



K-KAT® NON-TIN CATALYSTS

	2K Polyurethane		1K Blocked NCO
	Unmodified NCO	Hydrophilically Modified NCO	
K-KAT XK-614	◐	●	
K-KAT XK-620			●
K-KAT 6212	●		
K-KAT XK-661	◐	●	●

K-FLEX® & K-POL® RESIN MODIFIERS

	Melamine Crosslinked		2K Polyurethane
	Solventborne	Waterborne	
K-FLEX UD-350W		●	
K-FLEX 188	●	○	●
K-FLEX XM-366	●	○	●
K-POL 8211	●	◐	●