

NACURE® Catalysts

Acid Catalysts for Amino-Crosslinked Systems














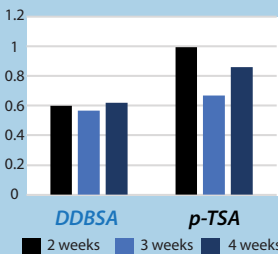



NACURE® Catalysts

p-TSA is a commonly used catalyst for melamine reactions and is an excellent way to accelerate cure. Other types of catalysts can offer the formulator greatly enhanced cure and film properties as demonstrated below.

We can help you choose the best catalyst for your application.

Stronger Acid

→ Weaker Acid

	p-TSA	DNNSA	DDBSA	DNNSA	Phosphates
Products	NACURE 2500 K-CURE 1040W	NACURE 3525 NACURE 155	NACURE 5225 NACURE 5076	NACURE 1419 NACURE 1051	NACURE 4167 NACURE 4054
Applications	Wood  Topcoat 	Can Exterior  Automotive Primer 	Can Interior  Automotive Topcoat 	Coil Primer  Electrostatic Spray 	General Industrial  Clearcoat 
Advantages	<ul style="list-style-type: none"> General purpose Low temperature cure with 1K formulations SB/WB coatings 	<ul style="list-style-type: none"> Best intercoat adhesion Direct to metal Moisture and corrosion resistance SB/WB coatings 	<ul style="list-style-type: none"> Exterior durability Compliant with FDA 21 CFR 175.300 Best solubility for high solids enamels SB/WB coatings 	<ul style="list-style-type: none"> Corrosion resistance Low conductivity for electrostatic Reduced blistering in thick films Improved substrate wetting 	<ul style="list-style-type: none"> Low color LTC with high imino/partially alkylated melamines
Performance	Metal Mark Resistance  Blocked p-TSA	Wet Adhesion  Control  DNNSA	Δb^* over 4 Weeks of QUV  Legend: DDBSA (black), p-TSA (blue), 2 weeks (tallest bar), 3 weeks (medium bar), 4 weeks (shortest bar)	Corrosion Resistance  Blocked p-TSA  Blocked DNNSA	Low Color 

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