

# RHEOLOGY MODIFIER SHOWCASE

## K-STAY<sup>®</sup> 511

### Liquid Thixotrope for Non-aqueous Pigmented Systems

K-STAY 511 is a liquid thixotrope for pigmented solventborne applications. It is a pourable liquid which makes for ease of use in production. K-STAY 511 is highly efficient requiring low dosage levels to improve pigment suspension and sag control. K-STAY 511 provides the following benefits:

- Ease of use - pourable liquid
- Excellent sag resistance in high solids systems
- Eliminates hard settling
- Excellent performance in polar solvents
- Effective at low dosage levels

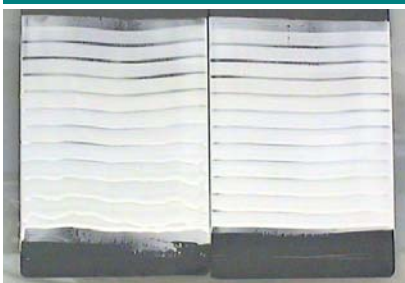


### K-STAY 511 Performance - 2K Coil & Can Polyester Coating

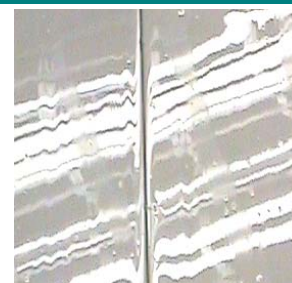


As shown in the photos above, K-STAY 511 offered effective sag resistance at use levels as low as 0.2% to 0.4% in a 2K Polyester Coil and Can Coatings.

### K-STAY 511 Performance - 2K Urethane



The photo on the left shows, the sag resistance achieved with the addition of 0.5% K-STAY 511 in a 2K Urethane. As shown to the right, the addition did not adversely impact gloss as some other types of rheology modifiers are known to do.



www.kingindustries.com

King Industries, Inc - USA  
Coatings Additives Div.  
Science Rd.  
Norwalk, CT 06852  
Phone (203) 866-5551  
Email:  
coatings@kingindustries.com

King Industries - Europe  
Noordake 64  
2741 EZ Waddinxveen  
The Netherlands  
Phone: +31 182-631360  
Email: info@kingintl.nl

King Industries - Asia  
Dr. Zhiqiang Alex He  
42 Ju Lin Ya Yuan  
Rich Mond Hill (Juhaoyuan)  
Bo Ai 7th Road  
Zhongshan, Guangdong,  
China 528403  
Phone: +86 760-88229866  
Email:  
alex.he@kingindustries.com

### Applications - Systems

K-STAY 511 is designed to be effective in a wide range of pigmented solventborne formulations including acrylics, polyesters, urethanes, alkyds and epoxies.

### Typical Use Level

0.2 to 3.0% as supplied on total formula weight

### Typical Properties

Appearance	Clear light brown liquid
% Active	50
Weight per Gallon, 25°C	7.7 lbs.

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.