KING INDUSTRIES
SPECIALTY CHEMICALS

PRODUCT DATA SHEET

Preliminary Data Sheet
K-STAY® 501
Rheology Modifier

KING INDUSTRIES
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K-STAY 501 is a metal sulfonate rheology control agent that is highly effective in preventing or reducing sag in conventional and high solids thermoset coatings. K-STAY 501 can also be used to improve the sag resistance of many other types of coatings, such as air dry alkyds, urethanes and epoxies.

ADVANTAGES:

- Improves Thermal Sag Resistance
- Can Be Post Added
- Effective in Reducing Pigment Settling
- Can Be Used In High Gloss Coatings

TYPICAL PROPERTIES:

Appearance:	Light Brown Fluid Liquid
Active Content:	50%
Specific Gravity:	1.08
Weight per Gallon:	9.00 Lbs.
Volatile:	Light Aromatic Naphtha

APPLICATION:

K-STAY 501 can be used to improve the thermal sag resistance of many different types of solventborne coatings, including; polyester/melamine, alkyd/melamine and acrylic/ melamine. It is also very effective in air dry alkyds and two component urethanes and epoxies.

ADDITION LEVELS:

K-STAY 501 is normally used at concentrations of 0.5 to 3.0% on total formula weight, although higher levels can be used where maximum film build is required.

INCORPORATION:

K-STAY 501 can be incorporated into the coating during the pigment dispersion stage or it can be conveniently post added. It is recommended that K-STAY 501 be pre-mixed with an equal amount of solvent when post added.

FORMULATING NOTE:

K-Stay 501 can function as a catalyst in aminoplast crosslinked systems. Therefore, it may be possible to reduce the level of primary catalyst in the system. Ladder studies should be run to determine the optimum catalyst concentration.

HANDLING/STORAGE:

Avoid breathing vapors. Keep the container tightly closed. Store at room temperature and away from all sources of ignition. For further information, consult the MSDS