6028

RUST PROTECTIVE COATING – SATIN CLEAR

KATS 6028 is a water based rust preventive coating that is formulated using plant base polymer technology to provide outstanding protection against corrosion on both ferrous and nonferrous metals. The product is colorless (clear) and leaves an attractive satin finish. The normal duration of protection is up to 3 years.

KATS 6028 is not meant for application where yellowing resistance is critical.

The surfaces to be protected should be clean and dry. Apply KATS 6028 in a good ventilated area without excessive wind. Before using, review MSDS and wear proper gear.

Ambient/Surface Temperature..... 45° - 100°F (7° -38°C)
Ideal Surface Temperature..... 60° - 80°F (16° - 27°C)
Note: Insure the coating is dry before exposing to the elements. To minimize temperature/humidity variables, heated force drying is recommended to improve early water resistance.

Wet Film Thickness ... 5 - 10 mil (127 - 254 microns)
Dry Film Thickness .... 1 - 2 mil (25.4 - 50.8 microns)

Typical Coverage..... 160 - 320 ft^2/gal (3.9 - 7.9 m^2/l).

Agitate before and during use.

BENEFITS:

- 0.7 lb/gal (84 gm/liter) VOC
- HAPs-free
- Excellent adhesion to various substrates
- Protects up to 3 years
- Quick drying
- Contains no oil or petroleum
- No fire hazard
- Early water resistance
- Environmentally safe

APPLICATIONS:

Use KATS 6028 to prevent rust and corrosion on metal surfaces. Typical applications include:

- Vehicle underbody coating
- Protection of machine components during storage
- Protection of metal stock
- Protection of outdoor stored gears

Note: The dried film may turn slightly yellow/amber in tone over time, depending on the conditions.

TEST METHOD	DESCRIPTION	TYPICAL CHARACTERISTIC
ASTM D-2247	**Humidity Exposure**	Passed 500 hours with less than 0.01% surface rust.
GM 9508P	**Gravelometer (tests impact protection)**	Pass
ASTM B-117	**Salt Spray Test**	Passed at 50 hours exposure with less than 0.01% surface corrosion.
ASTM D-2243	**Freeze and Thaw Stability,** Cycles Passed	3
ASTM D-2196 Modified	**Brookfield Viscometer** Spindle #4 @ 72°F (22°C) and 60 RPM, cps	3,000 - 10,000
ASTM D-1475	**Density**	8.65 lb/gal (1.038 g/cm^3)

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

260 Gallon Totes	55 Gallon Drums	5 Gallon Pails

APPLICATION INSTRUCTIONS

1. If the surfaces of the vehicle have excess dirt or airborne contaminants, wash or pre-rinse and dry the vehicle before application of the transit coating.

2. Check the surface temperature of the vehicle either with a surface thermometer or by hand. Ideal temperature should be 60° - 80°F (15° - 27°C). If necessary, either cool or warm the surfaces.

   Note: It can be applied over area with higher temperature that can shorten the dry time exponentially, but flowability/penetration capability may be compromised.

3. Apply the coating in a shaded area that is protected from excess wind or from outdoor moisture, if possible. Insure the area is well ventilated as a standard protocol. Down draft, if working in a pit, is recommended to insure catching any overspray.

4. Use a water based compartible airless spray pump system. If this is not available, a HVLP spray applicator with pressure feed system can be used. Also, extension wand can be utilized on difficult to reach areas.

Equipment	Details		
Pump		**Graco Dura-Flo or Similar**	**Graco Xtreme X30 or Similar**
	Output per Cycle	220 cc	220 cc
	Motor Size	NXT 3400	NXT 3400
	Max. Working Pressure (psi)	3170	3150
	Output at 60 CPM (gpm)	3.4	3.4
Fluid Pressure	1000 - 2000 psi		
Hose	¼ in x 50 ft Graco BluMax II or similar		
Spray Applicator	Graco XTRA, Graco SG Series or similar		
Tip Size	.011 - .015 in Graco RAC 5 or similar		

   Note: Clean the equipment with clean water right after application when the coating is still wet. Do not let the coating dry up.

5. Apply the coating by keeping a constant distance of 8 - 9 inches (20 - 23 cm) from the nozzle to the vehicle's surfaces. Always move the applicator parallel to the areas being sprayed while holding the applicator at a perpendicular angle relative to those same spray surfaces.

6. Do not move the recently sprayed vehicle into a rainy, snowy, or dirty environment until the coating has dried (air-assisted drying system, e.g. forced heated air or oven, 1 - 3 minutes; unassisted, e.g. ambient air drying with air movement, 10 - 15 minutes).

   Note: For any overspray near unwanted area, you may use diluted KATS 8077 solution to clean off. Insure to rinse the area well to remove any soapy residue and dry with clean towel.

7. After the coating has dried, inspect the film to make sure it is continuous and consistent. If areas were missed during the application, apply the coating to those areas.