



# KATS 9050 Peelable Coating

## Product Information Sheet

**Product Description**

An innovative, environmentally friendly product of the KATS 9000 series providing surface protection in the form of a peelable, removable coating.

**Advantages**

KATS 9050 is an environmentally friendly product that is applied wet, but dries to give a peelable film. It will protect painted vehicular or other finished surfaces from minor nicks, scratches, abrasions, or from contaminants such as bird droppings and acid rain.

**Physical Properties and Technical Data**

**Finish**----- Clear  
**Color** (Virgin Product).....Milky White  
**Wet Film Thickness**.....4 - 8 mil (101.6 - 203.2 microns)  
**Dry Film Thickness** ----- 2 - 4 mil (50.8 - 101.6 microns)  
**pH**----- 7.0 - 9.0  
**Density** ----- 9.0 lb/gal (1.08 g/cm<sup>3</sup>)  
**Viscosity** (Brookfield @ 72°F,  
 Spindle #1 at 60 rpm) ----- 1000 - 3000 cps  
**Solids** (ASTM D-2369), % ----- 45 - 55  
**VOC Content** (lb/gal) ----- 0.2 - 0.3  
**Flash Point** ----- None  
**QUV Test** (GM 9125P)----- Pass - 100% Removal  
 No Marring, Cracking, or  
 Discoloration of Paint  
**Iron Filings Resistance** (GM 3.3.4)- Pass - 100% Protection  
**Acid Rain & Bird Droppings**  
**Resistance** (GM 3.3.3)----- Pass - 100% Protection  
**Environmental Cycle & Spot**  
**Resistance** (GM9505P-1) ----- Pass - 100% Protection  
**Humidity Resistance** ----- Pass - no loss of film integrity  
 (100% humidity at 100°F for 96 hours)  
**Gravelometer** (GM 9508P) .....90+% Protection  
**Florida Exposure** (GM 9163P) .....Pass - 100% Peelable,  
 (12 months) no wrinkling  
**Scratch Resistance** (100 cycles).....Pass - 100% Protection  
**Cycles Cold Crack** (15 cycles).....Pass - 100% Protection and  
 Peelability  
**Product Shelf Life** ----- 1 year stored at 45° - 77°F  
 (7° - 25°C)

**Packaging**

<u>Container</u>	<u>Volume in Gallons</u>	<u>Volume in Liters</u>
Tote	260	984.1
Drum	55	208.2
Pail	5	18.9

**Keep the product from freezing for optimal performance.**

- Attributes**
- Dries as a semi-transparent film.
  - Tough and yet flexible film consistency.
  - Cures at temperatures of 45°F (7°C) and above.
  - Viable, cost effective alternative to plastic wraps.
  - Excellent protection provided for finished surfaces from minor nicks, scratches, and abrasions.
  - Provides total protection from acid rain, iron particles, and bird droppings.
  - No offensive odor, user friendly.
  - Environmentally friendly formulation.

**Application Considerations:**

**KATS 9050 can be applied over:**  
 Painted Surfaces, Smooth Body Trim, Smooth Chrome, Aluminum, Plastic\*, Mirrors, Decals  
 \* Requires compatibility study due to the different make-up and treatment.  
 Note: Avoid spraying intricate detailed areas such as grill work, windshield wipers, and front and rear light lenses by masking these areas off.

**Surface Preparation:**  
 Clean and Dry, Uncontaminated

**Environmental Conditions for Application:**  
 Ambient Temperature ..... 45°F (7°C) or warmer  
 Surface Temperature..... 45° - 150°F (7° - 66°C)  
 Atmosphere..... 50% relative humidity or less

**Recommended Safety Equipment:**  
 Wear dust mask and other proper gear. (Refer to Material Safety Data Sheet for more information.)

**Application Method:**

- I. Spray Gun ..... HVLP or Conventional  
 Air Pressure ..... 30 - 40 psi  
 Fan Spray Pattern:..... 10 - 12 in (25 - 30 cm)
- II. Spray Gun ..... Airless  
 Air Pressure ..... 1500 - 2000 psi  
 Spray Distance:..... 8 - 9 in (20 - 23 cm)
- III. Optional application: Roller with 3/8" nap

Dry Time:.....  
 Assisted (80°C)\*\* ..... 3 - 5 min  
 Unassisted at 77°F (25°C)\*\*..... 30 - 60 min

Typical Coverage..... 200 - 400 ft<sup>2</sup>/gal  
 (4.9 - 9.8 m<sup>2</sup>/l)

\*\* Tack free (Dry air movement can improve dry time.)

**This product is water based; therefore, use only PVC or stainless steel piping, fittings, and suction tubes with it. Iron piping may cause the coating to be rust contaminated.**

**Information**

For more technical information or to place an order, please call:  
 800-699-6318 or 972-771-1000

**APPLICATION INFORMATION AND INSTRUCTIONS**  
**KATS 9000 SERIES PEELABLE COATINGS**

**I. SPRAY OPERATION EQUIPMENT AND MAINTENANCE**

HVLP or Conventional

- A. The equipment listed below is recommended to efficiently spray KATS Protective Coating onto a surface.
1. An **HVLP or Conventional** type spray gun (All gun parts that become wet shall be made of water-resistant materials such as stainless steel.)
  2. A diaphragm or piston pump, if the product is in drums (The diaphragm pump is recommended.)
  3. 25 feet of fluid hose with an internal diameter (ID) of 3/8 inches.
  4. Air hose of necessary length (25 ft) and having an internal diameter (ID) of 5/16 inches.
  5. An adequate amount of air and fluid filters.
  6. A sufficient number of regulators.
- B. Recommended Spray Gun Settings
1. Air Pressure: 30 - 40 psi (2.1 - 2.7 bar)
  2. Fluid Pressure: 5 - 7 psi (0.34 - 0.48 bar) for pressure pot
  3. Fluid Tip Size: 1.6 to 1.7 mm
- C. Spray Gun Maintenance
1. When the spray gun is not in use, block the spray nozzle with some form of cover or tape to prevent the products from drying within the gun.
  2. If it becomes necessary to clean the nozzles of the spray gun, make a mixture of KATS transit coatings remover (KATS 8077) with water. To 1 part of remover, add 6 parts of water. Flush this mixture through the spray nozzles for 1 or more minutes until the nozzles appear clean. Lastly, flush the nozzles with clean water for another minute.

Airless

- A. An **airless** type spray gun (All gun parts that become wet shall be made of water-resistant materials such as stainless steel.)
1. Grounded, nylon air hose of necessary length (25 ft) and having an internal diameter (ID) of ¼ inches.
  2. Fluid filter.
- B. Recommended Spray Gun Settings
1. Air Pressure: 1500 - 2000 psi (103.4 - 137.8 bar)
  2. Fluid Tip Size: RAC 5 SWITCHTIP, size 515
- C. Airless Spray Gun Maintenance
1. When the spray gun is not in use, block the spray nozzle with some form of cover or tape to prevent the products from drying within the gun.
  2. If it becomes necessary to clean the nozzles of the spray gun, make a mixture of KATS transit coatings remover (KATS 8077) with water. To 1 part of remover, add 6 parts of water. Flush this mixture through the spray nozzles for 1 or more minutes until the nozzles appear clean. Lastly, flush the nozzles with clean water for another minute.

Optional application: Paint roller with 3/8" nap. Application by manually rolling over application surface.

**II. CONSIDERATIONS AND REQUIREMENTS BEFORE SPRAYING THE COATING**

- A. Make certain to completely inspect the surface to which the product will be applied before spray operations begin.
1. The surface should be as clean as possible.
  2. KATS protective coating is a water base product and, therefore, the application surface should be dry for the product to properly function. If the product is applied over surface water droplets, then a complete, homogeneous coverage of the surface will not be achievable.
- B. The temperature of the application surface should be 45°F (7°C) or above when the coating is applied. There should be no ice or snow on the surface.
- C. Remove any coating skin. Strain the coating through a fine nylon mesh bag (available at most paint dealers) to remove particles that could clog the spray tip.
- D. Mask areas that do not require coating. Masking of these areas will provide protection against overspray.
- E. A template may be used by itself or in combination with masking in order to prevent coating from being applied to unwanted areas. If a template is used, it is recommended that the template be removed after spraying while coating is still wet.

**III. SPRAY PROCESS INSTRUCTIONS AND CONSIDERATIONS**

- A. Make certain that the operator keeps the air and fluid hoses in back of themselves to minimize interference from these hoses during the spray operation.
- B. The distance between the spray gun and the surface should be set or held at a range of 8 to 9 inches. Maintenance of this distance will ensure that the product will be applied with a uniform thickness over the surface.
- C. An even, steady stroke should be used while spraying; maintain the recommended spray distance by keeping the gun parallel to the surface at all times.
- D. It is recommended that adequate ventilation systems be used when applying the product. Sufficient ventilation minimizes the incidence of oversprays. The filter for this ventilation system should be made of paper or fiber.
- E. Minimize back or high air flow in the spray application area. If these types of airflow occur, then the ability of the spray gun operators to evenly spray the application surface may diminish.

**IV. FINAL COATING INSPECTION**

After adequate dry time has passed, inspect the coating to make sure the film is continuous and homogeneous. Those factors that may inhibit proper film drying may include water droplets, ambient temperatures below 45°F (7°C), and dirt or dust particles not cleaned off of the application surface before the coating was applied.

The above data is subject to usual manufacturing variations.

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