



**ELASTOMERIC ACRYLIC CERAMIC  
PERMAKOTE® SILVER SEAL  
REFLECTIVE SILVER METALLIC  
PROTECTIVE INDUSTRIAL COATING**

**PRODUCT DATA**  
#7575  
10 YEAR LIMITED MATERIAL WARRANTY\* 08/05/11  
superseding: 06/21/07

Matte(m)  
Satin(s)  
Semi-Gloss(g)

**PRODUCT DESCRIPTION:**

PERMAKOTE® SILVER SEAL is an Elastomeric Acrylic, Ceramic Filled, Waterproofing Reflective Aluminum Silver Metallic, Protective Industrial Coating designed for metal and is excellent for roofs, but can also be used on most any Interior or Exterior surface or substrate. It is available in Matte, Satin or Semi-Gloss finishes. It is a water-based formula that possesses waterproofing, insulating and reflecting properties with a beautiful Aluminum Silver Metallic Look Finish. It forms a durable rubber-like ceramic shield of protection that expands and contracts with varying hot and cold temperatures, plus excellent resistance to thermal shock. PERMAKOTE® SILVER SEAL is an energy saving reflective coating that offers superior mildew resistance, ceramic insulation & soundproofing, excellent adhesion, U.V. ray reflectivity and a beautiful metallic finish. It is an inexpensive solution to metal replacement and renovation. This easy to apply coating system will provide many years of durable protection and outstanding beauty. PERMAKOTE® SILVER SEAL offers a 10 YEAR LIMITED MATERIAL WARRANTY (see Warranty Compliance Information Section Below).

**PRODUCT USES:**

PERMAKOTE® SILVER SEAL has excellent adhesion on most any interior or exterior surfaces including: weathered wood, shakes, plywood, primed metal, clapboard, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, primed styrofoam, primed fiberglass, built-up-roofs, bonded roof gravel, rolled roofing, modified bitumen membranes, mineral surfaced roofing, concrete tiles, clay tiles, masonry tiles (flat or barrel), primed synthetic or aluminum, adobe, slate, slab, properly prepared EPDM, and various other substrates. PERMAKOTE® SILVER SEAL is ideal for residential, commercial and industrial applications.

**Roofs:** Recommended for well draining, SLOPED roofing surfaces only (see Warranty Compliance Information Section Below).

**SURFACE PREPARATION:**

Apply only to a sound, completely dry, well prepared roof surface. Leaks must be repaired before any coating is applied. If primer was applied, it is essential that the primed surface is clean, dry and free of all moisture. If no primer was applied, prepare surface by thoroughly pressure washing with a water and chlorine mixture using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. PERMAKOTE® SILVER SEAL will resist mildew growth, but will not kill mildew already on the surface. Clean Interior Surfaces by washing off all dirt, grease, soap and oil build-up with a powdered household cleaner and water. Rinse thoroughly. Remove loose paint and powdery substances. If, after cleaning, there is still chalk present or existing coating is compromised, use PERMA-BOND™ Primer Sealer for Roofs or ULTRA PRIME™ Primer Sealer for walls and most other surfaces. Patch any holes, cracks, flashings, valleys, vents, etc., with PERMAPATCH™, a Waterproofing Caulk and Sealant. Tape & seal all seams with PERMATAPE™, a Polyester Fabric Tape.

**Metal:** Clean surface of all grease, oil and foreign matter before priming. Rusted metal and uncoated metal must be primed with METAL-PRIME, a Red Iron Oxide Primer Sealer. Use a degreaser on galvanized or coated metals which have oils or surface treatments. Check PERMAKOTE® SILVER SEAL adhesion on galvanized or coated metal by applying to a small area and evaluating after 48 hours. If lack of adhesion is present after evaluating, metal must be lightly scuffed without penetrating the coated finish or galvanizing. If applicable, use METAL-PRIME™ to spot prime the penetrated areas.

**APPLICATION PROCEDURE:**

Stir well before using. Do not thin, use product as is. Do not apply when temperatures are below 45 degrees Fahrenheit or when humidity is very high. Do not apply when coating will be subjected to rain or heavy dew before it has had enough time to dry (approx. 2 to 4 hours). Drying time will vary depending on temperature, humidity and location. Apply using brush, roller or spray. Spread coating uniformly. Spread Rate will vary depending on surface. Apply each coat between 10 to 14 mils wet film thickness. Wait at least 12 hours before applying a second coat. Two coats, resulting in a minimum 12 mil total dry film thickness, are required for the 10 YEAR LIMITED MATERIAL WARRANTY.

**Airless Sprayers:** Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .021. Remove all line filters and gun filters before spraying.

**Clean Up:** Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

**WARRANTY COMPLIANCE INFORMATION:**

The PERMAKOTE® SILVER SEAL 10 YEAR LIMITED MATERIAL WARRANTY is for Product Only and applies to chipping, cracking and peeling, only. Labor is not covered by this warranty. This product is not guaranteed to stop or prevent leaks; all leaks must be repaired prior to the application of any coating. The WARRANTY is available only when product is applied according to Manufacturer's Application Procedures and Strict Material Requirement Specifications and a Warranty Registration (and a Job Completion Form if coated area exceeds 10,000 square feet) is submitted to Manufacturer within 90 days of completed coating application date (Application Procedure Sheets available upon request).

**SLOPED ROOFS ONLY:** This Warranty is available for well draining, sloped roofing surfaces only. Slope of roof must be greater than 1" per 24" or an angle greater than 4 degrees, otherwise inquire about PERMAKOTE PLUS® Limited Ponding Water Roof Coating for Flat Roofing Surfaces.

**MIL THICKNESS:** A required primer sealer coat of PERMA-BOND™ or METAL-PRIME must be applied prior to the application of PERMAKOTE® SILVER SEAL. The primer coat and two coats of PERMAKOTE® SILVER SEAL must result in a minimum 20 mil total dry film thickness. **MINIMUM SPREAD RATES:** PERMA-BOND™ or METAL-PRIME must be applied at no more than 150 square feet per gallon. PERMAKOTE® SILVER SEAL must be applied at no more than 150 square feet per gallon per coat, resulting in an aggregate spread rate of 75 square feet per gallon for both coats.

\*A 7 YEAR LIMITED MATERIAL WARRANTY is available when applied as a two coat system, without primer, resulting in a 16 mil dry film thickness.

Ambient Temperature of 77°F and RH of 50%

**TECHNICAL SPECIFICATIONS:**

Rates & Times May Vary Beyond Specifications

FINISH:	Matte, Satin & Semi-Gloss	SPREAD RATE:	100-150 sq.ft. per gallon
COLOR:	Aluminum Silver	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours
SOLIDS by WEIGHT:	52% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	37% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.80 lbs./gal. • 95.6 g/liter	GALLON WEIGHT:	10.2 lbs. +/- .3 lbs.

Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.

In Any Event Nationwide Chemical Coating Manufacturers, Inc. will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.



# MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

**MSDS#:  
7575**

<b>Product Identification</b>	Product Name: <b>PERMAKOTE® SILVER SEAL</b> Product Code #: <b>7575</b> General Usage: Exterior Latex Elastomeric Silver Coating General Description: Pigmented Silver Latex Coating C.A.S. Number: None Established; Mixture	
<b>Manufacturer Information</b>	Manufacturer's Name: Nationwide Chemical Coating Mfrs., Inc. Address: 7106 24th Court East; Sarasota, FL 34243-3993 Emergency Telephone: 1-800-423-7264 or 941-753-7500 Information: 1-800-423-7264 or 941-753-7500 Web Site: www.nationwidecoatings.com E-Mail: info@natcoat.net Date Effective: January 1 <sup>st</sup> , 2005	
<b>Chemical and Physical Properties</b>	Color: Silver Metallic (Non-Leafing) Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H <sub>2</sub> O=1): >1 Vapor Presence: about same as H <sub>2</sub> O Percent Volatile: 43-48% Evaporation Rate (Butyl Acetate=1): <1	Odor: Pungent Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H <sub>2</sub> O: Soluble pH (undiluted): 8 to 8.5 Vapor Density (Air=1): <1
<b>Fire Protection Information</b>	Decomposition/Combustion: N/A Flash Point: N/A; Does Not Burn Recommended Extinguishing Media: N/A Flammable Limits: N/A	
<b>Storage and Reactivity</b>	Hazardous Polymerization: Will Not Occur Storage Conditions: Keep from Freezing Toxic Products Which May Form: None	
<b>Transportation</b>	Hazard Classes: None; Not Hazardous Hazard Labels: Not Required Hazard Determination: MSD Sheet Shipping Containers: Varies Shipping Class: Class 55; Water Based Paint	
<b>Container Labeling</b>	Explanation of Unique Labeling System: None Used	

<b>Health Hazard Data</b>	<b>SHORT TERM EXPOSURE</b>	
	Route of Entry: Inhalation: Skin:  Eyes:  Ingestion:	Precautionary Treatment Expected None Expected None  Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists  Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution.
	<b>LONG TERM EXPOSURE</b>	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
<b>Personal Protection</b>	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
<b>Spill or Leak Protection</b>	Accidental Release or Spill:  Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal  N/A
<b>Treatability</b>	Biodegradability: With water prior to cure. Influence on Biological Wastewater Treatment: None Other Impacts on Wastewater Treatment: None Recommended Wastewater Treatment: Dilutable Constituents Interfering With or Not Amenable to Biological or Wastewater Treatment: None	
<b>Recommended Waste Disposal</b>	Dispose of in accordance with Federal, State and Local guidelines.	