



ELASTOMERIC ACRYLIC CERAMIC
PERMA1KOTE®
WATERPROOFING & INSULATING
MATTE FINISH ONE COAT ROOF COATING



10 YEAR
 LIMITED
 MATERIAL
 WARRANTY

PRODUCT DATA
#7520
ASTM D-6083
03/27/12
superseding: 10/27/12

PRODUCT DESCRIPTION:

PERMA1KOTE® is a Matte Finish, Bright White, Elastomeric Acrylic, Reflective, Insulating Ceramic, Waterproofing Protective, High Build One Coat **ENERGY STAR®** Roof Coating. It is a water-based, high build formula that possesses waterproofing, insulating and soundproofing properties that beautifies, protects and extends the life of most any sloped roofing surface. It forms a thick rubber like ceramic shield of protection that expands and contracts with varying hot and cold temperatures, plus excellent resistance to thermal shock. Unsurpassed in technology, **PERMA1KOTE®** is an energy saving reflective coating that offers superior mildew resistance, ceramic insulation & soundproofing, excellent adhesion, U.V. ray reflectivity and a beautiful matte finish. An energy saving coating that combats the destructive environmental forces of nature. **PERMA1KOTE®** is ASTM D-6083 Compliant and qualifies for the CLASS A Fire Rating as per ASTM E84-01, NFPA 101 Life Safety Code. This easy to apply One Coat Roof Coating System will provide many years of durable protection and outstanding beauty. **PERMA1KOTE®** is an inexpensive alternative solution to roofing and re-roofing. **PERMA1KOTE®** offers a 10 YEAR LIMITED MATERIAL WARRANTY (see Warranty Compliance Information Section).

PERMA1KOTE® USES:

Recommended for well draining, SLOPED roofing surfaces only (see Warranty Compliance Below). Excellent adhesion on weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, primed Styrofoam, 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. **PERMA1KOTE®** is ideal for residential, commercial and industrial applications. For flat roofs or limited ponding water situations inquire about **PERMAKOTE PLUS®**, Limited Ponding Water Roof Coating.

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 primer surface is clean and 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. **PERMA1KOTE®** will resist mildew growth, but will not kill mildew already on the surface. 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 RED-OX™**, a Red Iron Oxide Primer Sealer. Use a degreaser on galvanized or coated metals which have oils or surface treatments. Check **PERMA1KOTE®** 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 RED-OX™** to spot prime the penetrated areas, and then use **PERMABOND™** Primer for entire coated or galvanized surface.

APPLICATION PROCEDURE:

Stir well before using. Do not thin, use product as is. Mix multiple containers of color together for greater color consistency. 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 at 22 to 24 mils wet film thickness resulting in a minimum 11 mil total dry film thickness which is mandatory for warranty compliance.

Airless Sprayers: Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .027. 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.

As an ENERGY STAR® PARTNER, Nationwide Protective Coating Mfrs., Inc. has determined that this product Meets or Exceeds the ENERGY STAR® Guidelines for Energy Efficiency.

WARRANTY COMPLIANCE INFORMATION:

*The **PERMA1KOTE®** 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:** **PERMA1KOTE®** must be applied to result in a minimum 11 mil total dry film thickness.*

Roof Coatings

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

| | | | |
|----------------------|------------------------------|----------------|----------------------------|
| FINISH: | Matte | SPREAD RATE: | 50 - 75 sq. ft. per gallon |
| COLOR: | White, Deep & Clear Base | DRY to TOUCH: | 2 to 4 Hours |
| VEHICLE TYPE: | Copolymer Emulsion | RECOAT: | 12 Hours(if necessary) |
| SOLIDS by WEIGHT: | 65% +/- 2% | CURE TIME: | 5 to 7 Days |
| SOLIDS by VOLUME: | 51% +/- 2% | SIZES: | 1 Gal., 5 Gal., 55 Gal. |
| V.O.C.'s (averages): | 0.38 lbs ./gal. • 46 g/liter | GALLON WEIGHT: | 11.7 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 Protective 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#:
7520**

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|--|---|---------------------------|---------------------|------------------------|-------------------------|----------------------------------|--------------------|---|-------------------------------|--|---|--------------------------|--------------------------|--|---------------------------|
| Product Identification | <p>Product Name: PERMA-1-KOTE® Product Code #: 7520 General Usage: Exterior Roof Coating Finish Coat General Description: Pigmented Latex Coating C.A.S. Number: None Established; Mixture</p> | | | | | | | | | | | | | | |
| Manufacturer Information | <p>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 1st, 2005</p> | | | | | | | | | | | | | | |
| Chemical and Physical Properties | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Color: White</td> <td style="width: 50%;">Odor: Pungent Odor</td> </tr> <tr> <td>Physical State: Liquid</td> <td>Odor Threshold: Unknown</td> </tr> <tr> <td>Boiling Point: 212 Fahrenheit</td> <td>Melting Point: N/A</td> </tr> <tr> <td>Specific Gravity (H₂O=1): >1</td> <td>Freezing Point: 32 Fahrenheit</td> </tr> <tr> <td>Vapor Presence: about same as H₂O</td> <td>Solubility in H₂O: Soluble</td> </tr> <tr> <td>Percent Volatile: 33-38%</td> <td>pH (undiluted): 8 to 8.5</td> </tr> <tr> <td>Evaporation Rate (Butyl Acetate=1): <1</td> <td>Vapor Density (Air=1): <1</td> </tr> </table> | Color: White | Odor: Pungent Odor | Physical State: Liquid | Odor Threshold: Unknown | Boiling Point: 212 Fahrenheit | Melting Point: N/A | Specific Gravity (H ₂ O=1): >1 | Freezing Point: 32 Fahrenheit | Vapor Presence: about same as H ₂ O | Solubility in H ₂ O: Soluble | Percent Volatile: 33-38% | pH (undiluted): 8 to 8.5 | Evaporation Rate (Butyl Acetate=1): <1 | Vapor Density (Air=1): <1 |
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| Fire Protection Information | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Decomposition/Combustion:</td> <td style="width: 50%;">N/A</td> </tr> <tr> <td>Flash Point:</td> <td>N/A; Does Not Burn</td> </tr> <tr> <td>Recommended Extinguishing Media:</td> <td>N/A</td> </tr> <tr> <td>Flammable Limits:</td> <td>N/A</td> </tr> </table> | Decomposition/Combustion: | N/A | Flash Point: | N/A; Does Not Burn | Recommended Extinguishing Media: | N/A | Flammable Limits: | N/A | | | | | | |
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| Storage and Reactivity | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Hazardous Polymerization:</td> <td style="width: 50%;">Will Not Occur</td> </tr> <tr> <td>Storage Conditions:</td> <td>Keep from Freezing</td> </tr> <tr> <td>Toxic Products Which May Form:</td> <td>None</td> </tr> </table> | Hazardous Polymerization: | Will Not Occur | Storage Conditions: | Keep from Freezing | Toxic Products Which May Form: | None | | | | | | | | |
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| Transportation | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Hazard Classes:</td> <td style="width: 50%;">None; Not Hazardous</td> </tr> <tr> <td>Hazard Labels:</td> <td>Not Required</td> </tr> <tr> <td>Hazard Determination:</td> <td>MSD Sheet</td> </tr> <tr> <td>Shipping Containers:</td> <td>Varies</td> </tr> <tr> <td>Shipping Class:</td> <td>Class 55; Water Based Paint</td> </tr> </table> | Hazard Classes: | None; Not Hazardous | Hazard Labels: | Not Required | Hazard Determination: | MSD Sheet | Shipping Containers: | Varies | Shipping Class: | Class 55; Water Based Paint | | | | |
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| Container Labeling | <p>Explanation of Unique Labeling System: None Used</p> | | | | | | | | | | | | | | |

| | | |
|-----------------------------------|---|--|
| Health Hazard Data | SHORT TERM EXPOSURE | |
| | Route of Entry: Inhalation: Skin: Eyes: Ingestion: | <p>Precautionary Treatment Expected None Expected None</p> <p>Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists</p> <p>Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution.</p> |
| | LONG TERM EXPOSURE | |
| | Carcinogen: Target Organ Effects: Other Health Hazards: | <p>None None None Known</p> |
| Personal Protection | Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection: | <p>No inhalation hazard expected None Required Local None Safety Glasses</p> |
| Spill or Leak Protection | Accidental Release or Spill: Neutralizing Chemical/Media: | <p>Collect liquid or solidify with absorbent package for disposal</p> <p>N/A</p> |
| Treatability | <p>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</p> | |
| Recommended Waste Disposal | <p>Dispose of in accordance with Federal, State and Local guidelines.</p> | |