



SINGLE COMPONENT WATERBASED POLYUREA
PERMAUREA™
IMPERVIOUS & HIGHLY ABRASION RESISTANT
CLEAR PROTECTIVE COATING and PAINT/COATING ADDITIVE

Additive for most Latex Paints and Coatings to Highly improve Performance
PRODUCT DATA #7900
07/23/13
superseding: 04/07/10

PRODUCT DESCRIPTION:

PERMAUREA™ is a Revolutionary New, Single Component, Waterbased, 43% Solids Polyurea, High Performance, Clear, High Gloss Coating and Latex Paint or Coating Performance Additive. It is an aliphatic polyurea developed to exhibit a combination of film hardness but also flexibility not found in most any other waterbased product. PERMAUREA™ dries rapidly to produce an impervious highly abrasion resistant surface and can be applied to a wide variety of rigid and flexible substrates such as wood, metal, vinyl, concrete and most plastics. Excellent protection from staining, scratches, scuff marks and chipping. It forms a clear high gloss finish of strong flexible protection that is tack free in 2 hours and dries to a tough high abrasion resistant finish in 24 hours. It exhibits a combination of film hardness and flexibility that offers superior mildew resistance, waterproofing, excellent adhesion, ultraviolet, abrasion and chemical resistance. This easy to apply, one component, odorless, fast drying, environmentally friendly coating will provide many years of durable protection. PERMAUREA™ is an environmentally friendly, low V.O.C. formulation that does not possess the typically strong solvent odors associated with polyureas.

PERMAUREA™ USES:

Excellent adhesion on weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, primed styrofoam, fiberglass, asphalt, vinyl, concrete, tiles, clay tiles, masonry tiles (flat or barrel), primed synthetic or aluminum, adobe, slate, slab, most plastics and various other substrates.

SURFACE PREPARATION:

Apply only to a sound, completely dry, well prepared surface. Leaks must be repaired before any coating is applied. If primer or a coating was previously applied, it is essential that the surface is clean, dry and free of all moisture. If no primer or coating 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. Allow to dry completely.

APPLICATION PROCEDURE:

Stir well before using. Do not thin, use product as is. Do not apply when temperatures are below 40 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 5 to 6 mils wet film thickness. Wait at least 12 hours before applying a second coat. Two coats resulting in a minimum 4 mil total dry film thickness is required.

Airless Sprayers:

Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .017. 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.

Concrete

Wood

Specialty

Roof Coatings

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

| | | | |
|----------------------|--------------------------|----------------|-----------------------------|
| FINISH: | High Gloss | SPREAD RATE: | 250 - 350 sq.ft. per gallon |
| COLOR: | Clear | DRY to TOUCH: | 45 Minutes |
| VEHICLE TYPE: | Aliphatic Polyurea | RECOAT: | 12 Hours |
| SOLIDS by WEIGHT: | 43% +/- 2% | CURE TIME: | 7 to 14 Days |
| SOLIDS by VOLUME: | 39% +/- 2% | SIZES: | 1 Gal., 5 Gal., 55 Gal. |
| V.O.C.'s (averages): | 1.91 lbs/gal • 229.0 g/l | GALLON WEIGHT: | 8.7 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#:
7900**

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|---|--|---------------------------|---------------------------|------------------------|-------------------------|----------------------------------|--------------------|---|-------------------------------|---------------------|---|--------------------------|----------------------------|--|---------------------------|
| Product Identification | <p>Product Name: PERMAUREA™ Product Code #: 7900 General Usage: Clear Protective Impervious Coating General Description: Waterbased Polyurea 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: Clear</td> <td style="width: 50%;">Odor: Slight Solvent 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): 1.07</td> <td>Freezing Point: 32 Fahrenheit</td> </tr> <tr> <td>Vapor Presence: 3.4</td> <td>Solubility in H₂O: Soluble</td> </tr> <tr> <td>Percent Volatile: 53-58%</td> <td>pH (undiluted): 7.5 to 9.5</td> </tr> <tr> <td>Evaporation Rate (Butyl Acetate=1): <1</td> <td>Vapor Density (Air=1): <1</td> </tr> </table> | Color: Clear | Odor: Slight Solvent Odor | Physical State: Liquid | Odor Threshold: Unknown | Boiling Point: 212 Fahrenheit | Melting Point: N/A | Specific Gravity (H ₂ O=1): 1.07 | Freezing Point: 32 Fahrenheit | Vapor Presence: 3.4 | Solubility in H ₂ O: Soluble | Percent Volatile: 53-58% | pH (undiluted): 7.5 to 9.5 | 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> | |

EMERGENCY & INFO: 1-800-423-7264

Form based on O.S.H.A. Form 20. Information presented herein has been compiled from sources to be reliable and is accurate and reliable to be the best of our knowledge and belief but is not guaranteed to be so.

EMERGENCY & INFO: 941-753-7500