



ELASTOMERIC ADHESIVE PERMABOND™ WATERPROOFING & BONDING CLEAR ROOF PRIMER SEALER

**PRODUCT
DATA
#7595**

06/21/07
superseding: 02/13/07

PRODUCT DESCRIPTION:

PERMABOND™ is a clear transparent, elastomeric acrylic, waterproofing adhesive, bonding Primer Sealer. A waterborne, latex based, high resin content formula that contains no fillers or pigments. It is designed to prepare roofing surfaces for a finish coating. PERMABOND™ rejuvenates, revitalizes and strengthens the surface to which it is applied, helping to prevent cracking, efflorescence, spalling and segregation. PERMABOND™ will bond, seal and waterproof most any new or existing exterior roofing surface, and is excellent for locking down small amounts of loose gravel. Excellent penetrating characteristics enable PERMABOND™ to permeate into the substrate providing a permanent bond to the finish coat. On non-porous substrates, the high resin content provides excellent adhesion to the surface then forming a tight bond to the finish coat. The bond that is formed between PERMABOND™ and the finish coat eliminates any possibility of moisture under the finish coat thus extending the coatings life considerably. Designed as a primer coat for PERMAKOTE®, PERMAKOTE® SEMI-GLOSS, PERMAKOTE® SILVER SEAL and PERMAKOTE PLUS® Roof Coating Systems, but can be used as a primer for most any latex based paint or coating. A coat of PERMABOND™ or METAL-PRIME is required as a primer for warranty conformance for the PERMAKOTE®, PERMAKOTE® SEMI-GLOSS, and PERMAKOTE PLUS® Roof Coating Systems. Inquire about all details including specific instructions and application procedures when a Nationwide Limited Material Warranty is desired.

PRODUCT USES:

Excellent adhesion on most any sloped or flat roof surfaces (not exceeding ½ of an inch of Ponding Water in any area of roof surface) including: weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, styrofoam, adobe, brick, stucco, concrete, clay, masonry, slate, slab, built-up-roofs, modified bitumen membranes, rolled roofing, mineral surfaced roofing and various other substrates. For use on residential, commercial and industrial applications.

STAINS: Spot prime all stains before priming entire area. PERMABOND™ will seal most stains. If stain persists, an alkyd stain blocker should be used.

SURFACE PREPARATION:

For proper adhesion it is essential that the surface is prepared properly. Clean Exterior Surfaces by thoroughly pressure washing with a water and chlorine solution using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. PERMABOND™ will resist mildew growth, but will not kill mildew already on the surface. Rinse thoroughly. Remove loose paint and powdery substances. Patch any holes, cracks, seams, imperfections, etc., with PERMAPATCH™, Waterproofing Caulk & Sealant.

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 PERMABOND™ 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, then use PERMABOND™ Primer for entire coated or galvanized surface.

NOTE: New masonry must age 60 days before priming or you can apply a sealer coat of CHALK FORCE™ Surface Conditioner & Chalk Sealer before PERMABOND™.

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. 1 to 2 hours). Drying time will vary depending on temperature, humidity and location. Apply using brush, roller or spray. Spread primer uniformly. Spread Rate will vary depending on substrate. Apply a coat between 10 to 16 mils wet film thickness. Wait at least 4 hours before applying a compatible paint or coating.

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 all spills and tools immediately after use while coating is wet with warm soapy water.

TECHNICAL SPECIFICATIONS: Ambient Temperature of 77°F and RH of 50%

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|----------------------|--------------------------------|----------------|-------------------------|
| FINISH: | Transparent | SPREAD RATE: | 75 to 175 sq.ft./gal. |
| COLOR: | Clear (non-pigmented) | DRY to TOUCH: | 1 to 2 Hours |
| VEHICLE TYPE: | Copolymer Emulsion | RECOAT: | 4 Hours |
| SOLIDS by WEIGHT: | 40% +/- 2% | CURE TIME: | 5 to 7 Days |
| SOLIDS by VOLUME: | 36% +/- 2% | SIZES: | 1 Gal., 5 Gal., 55 Gal. |
| V.O.C.'s (averages): | 1.77 lbs./gal. • 212.4 g/liter | GALLON WEIGHT: | 8.8 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#:
7595**

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| Product Identification | Product Name: PERMABOND™ Product Code #: 7595 General Usage: Exterior Latex Elastomeric Roof Primer General Description: Non-Pigmented Latex Roof Primer C.A.S. Number: None Established; Mixture | |
| Manufacturer Information | 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 st , 2005 | |
| Chemical and Physical Properties | Color: Clear Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 55-60% Evaporation Rate (Butyl Acetate=1): <1 | Odor: Pungent Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H ₂ O: Soluble pH (undiluted): 8 to 8.5 Vapor Density (Air=1): <1 |
| Fire Protection Information | Decomposition/Combustion: Flash Point: Recommended Extinguishing Media: Flammable Limits: | N/A N/A; Does Not Burn N/A N/A |
| Storage and Reactivity | Hazardous Polymerization: Storage Conditions: Toxic Products Which May Form: | Will Not Occur Keep from Freezing None |
| Transportation | Hazard Classes: Hazard Labels: Hazard Determination: Shipping Containers: Shipping Class: | None; Not Hazardous Not Required MSD Sheet Varies Class 55; Water Based Paint |
| Container Labeling | Explanation of Unique Labeling System: None Used | |

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

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