



100% ACRYLIC NON-YELLOWING
PERMACLEAR™
CLEAR REJUVENATING ROOF GLAZE
& PROTECTIVE SHINGLE SEALER

PRODUCT DATA
#7500

10/14/10
superseding: 07/20/10

PRODUCT DESCRIPTION:

PERMACLEAR™ is a Clear Glaze Waterproofing Rejuvenating Roof Sealer Finish and Clear Shingle Sealer. A 100% Acrylic sealer designed to effectively penetrate porous surfaces and to provide an excellent film formation over non-porous or previously coated surfaces to rejuvenate, preserve, protect, waterproof and beautify. The high-performance acrylic resin and special performance additives form a clear sealer finish or clear gloss finish on most any surface and helps to restore original color. Multiple coats will progressively increase gloss and build up film thickness for increased performance. Eliminates harmful water intrusion into and onto substrate by the sheeting off of water, thus reducing the environment for mold, mildew and fungi formation and cleansing the roof of dirt and pollution. Originally designed as an asphalt shingle sealer to rejuvenate and reseal loose granules extending the life of the roof and effectively reduce mildew and dirt pick up. **PERMACLEAR™** can be used to rejuvenate, waterproof, seal, protect and beautify most any type of sloped roofing surface. Excellent for sealing over previously painted or coated surfaces. Excellent for sealing and rejuvenating fiberglass skylights. Acrylic resins actually rejuvenate and promote extending the roof's life & roofing surface.

PRODUCT USES:

PERMACLEAR™ is a long wearing Waterproofing Clear Gloss Roof Sealer Finish for use on most any previously coated or uncoated interior or exterior surfaces including: asphalt or fiberglass shingles, wood, shakes, plywood, clapboard, primed metal, galvanized, modified bitumen, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, Styrofoam, adobe, brick, stucco, concrete, clay, masonry, slate, slab and various other substrates. Ideal for fiberglass skylights. For residential, commercial and industrial applications.

ASPHALT SHINGLES/ROLL ROOFING:

Excellent for use on Asphalt or Fiberglass Shingles and Roll Roofing to preserve, protect and waterproof the mineral granules. Protects against the premature breakdown of the tar composition (curling & cracking) by rejuvenating and waterproofing the mineral granules. The mineral granules protect the tar composition from the sun and water.

SURFACE PREPARATION:

For proper adhesion and penetration it is essential that the surface be properly prepared. Pressure wash all surfaces with a water and chlorine solution using a maximum of 1500 P.S.I. (for shingles or other granulated roofing surfaces use low pressure) to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. Scrub, if necessary. **PERMACLEAR™** will resist mildew growth, but will not kill mildew already on the surface! Apply only to a sound, well prepared roof surface. Roof surface must be completely dry and free of all moisture. Patch any holes, cracks, seams, etc., with a Clear Acrylic paintable caulk before applying the sealer. Smooth new wood should be lightly sanded with 80 to 100 grit sandpaper to remove mill glaze.

APPLICATION PROCEDURE:

Stir well before using. Do not apply when temperatures are below 45 degrees Fahrenheit, or when humidity is very high. Do not apply to extremely hot surfaces. The surface must be dry and free of all moisture. Do not apply when sealer will be subjected to rain or heavy dew before it has had enough time to dry (approximately 1 to 2 hours). Drying time will vary from location to location depending on weather conditions. Stir product occasionally during use. Apply using brush, roller or spray. Do not apply too heavily so that puddling occurs. When spraying, back roll with a thin nap roller cover. When rolling, use a thin nap roller cover. Sets to touch in approximately 1 hour, and dries in approximately 1 to 2 hours. Wait at least 2 hours before recoating. Two coats of **PERMACLEAR™** are recommended. Coating will appear to be blue, but will clear out as it dries. Do not thin this product; apply as it is from the container.

Sprayers:

Pump up stain sprayers can be used. Airless Sprayers may be too powerful, adjust pressure and other settings to spray a uniform amount of product without making runs, back roll with a thin nap roller cover.

CLEAN UP:

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

GLOSS CHARACTERISTICS:

For increased gloss, multiple coats can be applied, but sealer will also be more sensitive to blushing with increased film buildup. ASTM D523 (Standard Test Method for Specular Gloss) Gloss will be 70-80 degrees when applied to a non-porous substrate and when applied over a latex roof coating it will be 50-70 degrees.

PERMACLEAR™ MAINTENANCE:

For continued protection, recoat roof surface using **PERMACLEAR™** approximately every 3 to 5 years, or when desired gloss is no longer present.

NOTE: Blushing, whitening and/or hazing may occur if (1) roof surface is not completely dry and free of all moisture, (2) product is applied to extremely hot surfaces or (3) product puddles or is applied too thick.

Roof Coatings

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

FINISH:	Gloss (<i>depends on coats</i>)	SPREAD RATE:	250 to 350 sq.ft./gal.
COLOR:	Clear	DRY to TOUCH:	1 to 2 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	2 Hours
SOLIDS by WEIGHT:	24% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	19% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.49 lbs./gal. • 50.0 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#:
7500**

Product Identification	Product Name: PERMACLEAR™ Product Code #: 7500 General Usage: Clear Gloss Roof Sealer Finish General Description: Non-Pigmented Acrylic Coating 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: 71-76% 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): 7.5 to 8 Vapor Density (Air=1): <1
Fire Protection Information	Decomposition/Combustion: N/A Flash Point: N/A; Does Not Burn Recommended Extinguishing Media: N/A Flammable Limits: N/A	
Storage and Reactivity	Hazardous Polymerization: Will Not Occur Storage Conditions: Keep from Freezing Toxic Products Which May Form: None	
Transportation	Hazard Classes: None; Not Hazardous Hazard Labels: Not Required Hazard Determination: MSD Sheet Shipping Containers: Varies Shipping Class: Class 55; Water Based Paint	
Container Labeling	Explanation of Unique Labeling System: None Used	

Health Hazard Data	SHORT TERM EXPOSURE	
	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.
	LONG TERM EXPOSURE	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
Personal Protection	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
Spill or Leak Protection	Accidental Release or Spill: Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal N/A
Treatability	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	
Recommended Waste Disposal	Dispose of in accordance with Federal, State and Local guidelines.	