



ELASTOMERIC ACRYLIC ADHESIVE
BUS-PRIME™
WATERPROOFING & BONDING
BUS - RECREATIONAL VEHICLE COATING

PRODUCT DATA
10 YEAR LIMITED MATERIAL WARRANTY **#7790**
10/01/25
superseding: 01/16/13

PRODUCT DESCRIPTION:

BUS-PRIME™ is a Transparent White, Elastomeric Acrylic Waterproofing Adhesive, Bus & Recreational Vehicle Roof Primer Sealer. It is a waterborne high resin content formula that contains no fillers so that it provides waterproofing and excellent adhesion to most any surface. **BUS-PRIME™** is designed as the Primer Sealer for the **BUS-KOTE™**, Bus & Recreational Vehicle Coating System. This easy to apply Bus and Recreational Vehicle Coating System will provide many years of durable protection and outstanding beauty. **BUS-PRIME™** when used in conjunction with **BUS-KOTE™** offers a **10 YEAR LIMITED MATERIAL WARRANTY** when applied to manufacturer's specifications.

BUS-PRIME™ rejuvenates, revitalizes, restores, and strengthens the surface to which it is applied. A high resin content, plus the addition of special adhesive chemicals, enables **BUS-PRIME™** to bond and seal the surface together preparing it for the application of **BUS-KOTE™**. Excellent penetrating characteristics enable **BUS-PRIME™** 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 forming a tight bond to the finish coat. The bond that is formed between **BUS-PRIME™** and the finish coat eliminates any possibility of moisture under the finish coat extending the life of the coating considerably.

The **BUS-PRIME™** and **BUS-KOTE™** formulas were initially designed as an insulating reflective coating system for School Districts to use on the roofs of school buses with no air conditioning to help in lowering the interior temperatures of buses. This energy saving coating system combines reflectivity and ceramic insulation to reduce interior temperatures when hot and make interior temperatures more constant when cold. It is formulated to resist over 100 M.P.H. wind driven rains.

PRODUCT USES:

Recommended for well draining, SLOPED Bus & Recreational Vehicle roof surfaces. **BUS-PRIME™** can also be used on a wide variety of other substrates including wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, primed styrofoam, weathered fiberglass, built-up-roofs, rolled roofing, modified bitumen membranes, mineral surfaced roofing, primed synthetic or aluminum, adobe, slate, slab, properly prepared EPDM and various other substrates.

SURFACE PREPARATION:

A primer sealer coat of **BUS-PRIME™** is required for the **BUS-KOTE™ 10 YEAR LIMITED MATERIAL WARRANTY**. Apply only to a sound, completely clean and dry surface and free of all moisture. Leaks must be repaired before any coating is 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. **BUS-PRIME™** 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 or coating. Rusted metal and uncoated ferrous metals 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.

Fiberglass: Fiberglass surfaces must be aged and weathered. New, smooth or shiny fiberglass will require sanding of the surface.

Previously Coated Surfaces: Check **BUS-PRIME™** adhesion on galvanized or coated metal or other previously coated surfaces by applying to a small area and evaluating after 48 hours. If lack of adhesion is present after evaluating, the surface must be sanded. If applicable, use **METAL-PRIME RED-OX™** to spot prime the penetrated areas that are down to exposed bare metal.

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 primer will be subjected to rain or heavy dew before it has had enough time to dry (approximately 2 to 4 hours). Drying time will vary depending on temperature, humidity & location. Apply using brush, roller or spray. Spread uniformly. Wait at least 12 hours before applying **BUS-KOTE™**. Be sure to coat over **BUS-PRIME™** within 72 hours or surface may become contaminated.

Airless Sprayers: Use at least a 1 gallon per minute, piston type, airless sprayer with a recommended tip size of .021.

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

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

FINISH:	Matte	SPREAD RATE:	100 to 150 sq. ft./gal.
COLOR:	Transparent White	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	4 Hours
SOLIDS by WEIGHT:	41% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	37% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.38 lbs./gal. • 46.0 g/liter	GALLON WEIGHT:	8.9 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#:
7790**

Product Identification	<p>Product Name: BUS PRIME™ Product Code #: 7790 General Usage: Exterior Bus & Recreational Vehicle Primer General Description: Pigmented Latex Primer C.A.S. Number: None Established; Mixture</p>														
Manufacturer Information	<p>Manufacturer's Name: Nationwide Protective 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, 2015</p>														
Chemical and Physical Properties	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Color: Transparent 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: 54-59%</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: Transparent 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: 54-59%	pH (undiluted): 8 to 8.5	Evaporation Rate (Butyl Acetate=1): <1	Vapor Density (Air=1): <1
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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:	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	<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> <p>Dispose of in accordance with Federal, State and Local guidelines.</p>	