



ELASTOMERIC ACRYLIC CERAMIC
BUS-KOTE™
WATERPROOFING & INSULATING
BUS - RECREATIONAL VEHICLE COATING

PRODUCT DATA
#7740
10 YEAR LIMITED MATERIAL WARRANTY
02/18/20
superseding: 01/16/13

PRODUCT DESCRIPTION:

BUS-KOTE™ is a Matte Finish, Bright White, Elastomeric Acrylic, Reflective, Insulating and Soundproofing Ceramic, Waterproofing Bus & Recreational Vehicle Roof Coating. It is a waterborne, high build formula that possesses waterproofing, insulating and soundproofing properties that beautifies, protects and extends the life of most sloped surfaces. 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, **BUS-KOTE™** 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. This easy to apply Bus and Recreational Vehicle Coating System will provide many years of durable protection and outstanding beauty. **BUS-KOTE™** offers a **10 YEAR LIMITED MATERIAL WARRANTY** when applied to manufacturer's specifications.

The **BUS-KOTE™** formula was initially designed as an insulating reflective coating 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 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.

BUS-KOTE™ USES:

Recommended for well draining, SLOPED Bus & Recreational Vehicle roof surfaces. **BUS-KOTE™** 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, 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. For flat surfaces or limited ponding water situations inquire about **PERMAKOTE PLUS®**, Limited Ponding Water Roof Coating.

SURFACE PREPARATION:

A primer sealer coat of **BUS-PRIME™** should have been applied prior to the application of **BUS-KOTE™**. Apply only to a sound, completely dry surface. Leaks must be repaired before any coating is applied. If **BUS-PRIME™** 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. **BUS-KOTE™** 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.

Previously Coated Surfaces: Check **BUS-KOTE™** 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 and **BUS-PRIME™** may be necessary. 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. 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 (approximately 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 12 to 16 mils wet film thickness per coat. Wait at least 12 hours between coats. Two coats of **BUS-KOTE™** applied over a coat of **BUS-PRIME™** is required for the **10 YEAR LIMITED MATERIAL WARRANTY**.

Airless Sprayers: Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .025. 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.

Specialty

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:	White, Deep & Clear Base	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours
SOLIDS by WEIGHT:	64% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	37% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.39 lbs./gal. • 48.8 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#:
7790

Product Identification	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
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: Transparent White Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 54-59% 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: 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:	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	Accidental Release or Spill: Neutralizing Chemical/Media:	No inhalation hazard expected None Required Local None Safety Glasses 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.	