

## #A2 BULLDOG PRIMER/SILICONE COATING PRIMER FOR ASPHALT ROOFS



### DESCRIPTION

#A2 BULLDOG Primer is a two component, 1 to 1 ratio, water based epoxy primer. Part A is white and Part B is black to dark gray and when combined the color is medium gray.

### USES

Used on asphalt roof surfaces prior to application of #201PS BULLDOG Silicone Coating to limit bleed through of asphalt fractions and provide as an adhesion promoter for the use of subsequent coatings.

### PRODUCT LIMITATIONS

Do not apply to surfaces that are below 50°F or above 130°F. Do not apply when it is raining or threat of rain exists. Do not apply when the dew point is less than 5°F above ambient temperature.

CONTAINER SIZE	APPROXIMATE SHIPPING WEIGHTS
5 Gallon Pail	62 POUNDS

### APPLICATION PROCEDURES

#### SURFACE PREPARATION

Surface to receive coating must be clean, smooth, dry, and paintable. Any debris, gravel, dust, and silt must be removed prior to application.

#### WEATHER RESTRICTIONS:

It is very important that this product is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. We also do not recommend application of this product if rain or dew is likely to occur before curing of product.

#### MIXING PROCEDURES:

The two components are packaged in the correct proportions (1 part by volume of Part A to 1 part by volume of Part B). - **MIX each A & B component individually** - then combine A & B and mix thoroughly. Power mixing is recommended. Part A is a slurry liquid, with settling properties. Part B is a viscous liquid. When combined the resulting product becomes a thixotropic easy spreading suspension. **Do not use material that has been mixed for 4 hours or more.**

#### APPLICATION RATES:

Applied to a smooth surface, the coverage rate is approximately 200 to 400 square feet per gallon. Porous surfaces will require additional primer. Too much primer will reduce adhesion strength.

#### APPLICATION EQUIPMENT:

This product may be sprayed, brushed, or rolled. Use long nap (3/4" to 1") rollers when #A2 BULLDOG Primer/Silicone Coating Primer used as block filler for porous concrete. If blowholes form as the primer dries make second pass with a relatively dry roller. Allow 8 to 10 minutes between passes. For application to smooth surfaces, add up to one pint of water per gallon of #A2 BULLDOG Primer/Silicone Coating Primer. Use a 1/4" or 3/8" nap roller or nylon brush.

## APPLICATION OF TOP COATS:

Most coatings can be applied over #A2 BULLDOG Primer/Silicone Coating Primer as soon as it is thoroughly set. This degree of dryness is normally achieved in two to three hours (dependent upon temperature and humidity). Where maximum solvent resistance is needed, apply two coats a minimum of two hours apart. Let cure for five days with a daily maximum temperature of 70°F or higher. For 60°F days, allow 10 days.

## CLEAN UP:

Clean up with water supplemented with soap or a small quantity of vinegar. MEK is recommended for both cleaning and drying spray equipment in order to avoid corrosion. (Make sure hoses are solvent resistant).

## TOXICITY:

Part B contains a polyamide resin, which is non-sensitizing, however, care should be taken to thoroughly clean with soap and water any skin areas that are contacted by #A2 BULLDOG Primer/Silicone Coating Primer. Undiluted vinegar is very effective in neutralizing coating that contacts the skin. If the coating should get in the eye, flush with water and call a physician. See MSDS for complete details.

## SAFETY PRECAUTIONS:

This product is designed for professional installation. Caution should be exercised to prevent mishap due to improper handling. The use of an appropriate MESA/NIOSH approved respirator during application is important. We also recommend the use of fabric coveralls and neoprene or other resistant gloves. Installers should use caution during spray processes to avoid falls caused by slipping on wet primer. Installers should read and understand all technical and informational literature on this product, including the

Material Safety Data Sheet, prior to using this product.

## TYPICAL PHYSICAL PROPERTIES

Solids Contents by Weight , ASTM D-1644 .....	60%(±2)
Solids Contents by Volume, ASTM D-2697 .....	45.5% (±2)
Hardness, .....	Cures to from a hard lusterless coating
Chemical Resistance .....	Excellent alkali resistance, good solvent and fair acid resistance
Permeability .....	Cures to form a solvent and vapor resistant film
VOC, As mixed A & B (EPA Method 24) .....	<55 Grams/Liter
Temperature Limit for Normal Service .....	-40°F to 180°F (-40°C to 82°C)
Maximum Continuous Service Temperature.....	180°F (82°C)
Shelf Life, Protect from Freezing in Shipment & Storage.....	(UNOPENED CONTAINERS) 1 year when stored between 45°F and 75°F
Flash Point, As Mixed A & B .....	>212°F(>100°C)

**Flammability:** Non Flammable

**Hardness:** To achieve maximum hardness primer must cure 7 days at 60 °F to 80.°F

**Adhesion:** Excellent adhesion to most surfaces at recommended application rate. Over application of primer will reduce adhesion strength.

**Weatherability:** Chalk resistance is poor. Durability without topcoat is only fair. Not intended for continuous exterior use.

**Pot Life:** 2 hours at 75° F. This can be extended to 3 hours by thinning with water to achieve the original consistency. Pot life at 55° F is doubled, however at 100° F it is reduced to 45 minutes or less

**Cure Time:** Dry to touch in 1 hour or less; depending upon temperature and humidity. Full cure in 24 hours.

**Recoat Time:** Most coatings can be applied over #A2 BULLDOG Primer/Silicone Coating Primer as soon as it is thoroughly set. This degree of dryness is normally achieved 2 to 3 hours after application (dependent upon temperature and humidity) and can be recoated for up to 7 days. Best adhesion is achieved in 1 to 3 days. After 7 days surface must be cleaned and re-primed prior to coating application.

**D. O. T. Classification:** Roof Coating, Not Regulated

**HMS<sup>®</sup>:**

Part A: Health 1, Flammability 0, Reactivity 0, Protection X

Part B: Health 1, Flammability 1, Reactivity 0, Protection X

0= Minimal 1=Slight 2=Moderate 3=Serious 4=Sever

**The typical characteristics shown for this product are based upon the average of test results conducted on the finished product and on the raw material components used. They are subject to production variations and may be changed without notice. All other information contained on this sheet is to be used as a guide. For proper use and application please observe instructions and cautions on container.**

**DISCLAIMER OF WARRANTIES .** The application procedures and other information contained herein or on any other literature or on the labels of any of our products is intended to provide a guide for the general use, handling, and storage of products produced by Palmer Asphalt Company and is based upon ideas that are well tested and believed to be reliable. Palmer Asphalt Company hereby disclaims all warranties, either expressed or implied, since it cannot control workmanship, weather, quality of other materials used, and other variables that might affect the results. Liability under this warranty is limited to the replacement of our material or refund of its cost at our option. This Company does not authorize any agent or any representative to make any warranty.

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