

#205 BULLDOG ONE COAT SILICONE ROOF COATING



DESCRIPTION

Product Type: #205 BULLDOG ONE COAT SILICONE ROOF COATING is a one component, solvent free, moisture curing silicone rubber roof coating that resists water and extends the life of applicable in place roof membranes. The silicone roof coating system resists the harmful effects of the sun's ultraviolet rays, and reduces roof temperature when applied in the white pigmented formulation that can reduce electrical usage and utility costs during times when air conditioning is in use. White pigmented silicone roofs assist in reducing urban heat islands and assist in providing a cleaner and healthier environment. #205 can be applied in a single application and provide a maximum mil thickness of 70 mils without blistering while maintaining maximum adhesion.

Recommended Uses: The coating is designed for flat roofs and for use on modified bitumen roofs, EPDM, PVC, Hypalon and TPO roof membranes and polyurethane foam roofs. The coating can be applied over asphalt based aluminum coatings and acrylic roof coatings that are well adhered. Consult factory for detailed application specifications and for use of applicable primers for specific membrane types. Consult with your applicator.

Warranty: Applied per product specifications and advised application rates this material is free from defects for 10 years. Coating immersed in water more than 48 hours are not covered in warranties. Consult sales representative or factory for additional warranty information. Warranty is not applicable for blisters and delamination caused by improperly prepared surfaces, and due to moisture present in the roof membrane.

•The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

CAUTION: SURFACE MAY BE SLIPPERY WHEN WET OR CURED

Flammability Characteristics: Palmer Asphalt Company can provide a Class "A" Non-Combustible and Class "B" Combustible credentials as tested under UL 790 procedures over spray foam and single ply roofing systems through a third party partner.

D.O.T. Classification: Roof Coating, Not Regulated - Class 55, NFM#170080

HMIS Health 1, Flammability 0, Reactivity 0, Protection X

CONTAINER SIZE	APPROXIMATE SHIPPING WEIGHTS
50 Gallon Drum	565 POUNDS
5 Gallon Pail	56 POUNDS

TYPICAL PHYSICAL CHARACTERISTICS

Tensile Strength	350 PSI at (ASTM D-412)
Elongation	174% (ASTM D-412)
Reflectivity (White)	89 (ASTM C-1549)
Emissivity (White)	90 (ASTM C-1371)
Permeability	10.7 ASTM E-96
Tensile, set at 100% Elongation	Nil.
Temperature Stability RangeC (F)	-37°C to 100°C (-35°F to 212°F)
Water Absorption	0.1 weight % after two weeks at 75°F (24C)..(ASTM D-471)
Accelerated Weathering/QUV	No degradation after 5,000 hours (ASTM G-154)
SRI Value	113
Tack Free Time	1-2 hours/ Temp.&Humidity Dependent
VOC	<50 Grams/Liter
Durometer Hardness	37 points (ASTM D-2240)Shore A
Solids Content By Weight	95% ±2 ..
Specific Gravity @ 25C (77F)	1.26
Flame Spread ASTM E-108.....	Class A
Flash Point	141° F
Cure Time	1-4 hours
Shelf Life (UNOPENED CONTAINERS)	24 months from date of manufacture (on container) when stored between 40° F and 80°F

APPLICATION PROCEDURES

DO NOT THIN

Surface Preparation: #205 BULLDOG ONE COAT SILICONE ROOF COATING is applied with a medium nap roller. For touch up a brush may be used. All surfaces to be clean and completely dry prior to the application of the coating or the adhesion of the coating will be adversely affected. It is recommended that roof surfaces be power washed prior to the application of the coating.

All repairs to seams are to be made with either #205 or #203HS BULLDOG Silicone Coating and #272 BULLDOG Polyester Mat imbedded in the coating. All protrusions are to be reinforced in the same manner described or can be treated with #213 BULLDOG Silicone Patch. See product data sheets for instructions or contact BULLDOG sales tech or office for assistance.

A pull test is recommended prior to application. Consult with factory at 800-352-9898 for pull test procedure.

Application Rate: Minimum application rate is 2 gallons per 100 square feet on smooth surfaces. On granulated surfaces the minimum application is 2 ½ gallons per 100 square feet.

Application Tip: Mark off 10' (ten foot) by 10' (ten foot) areas prior to application to use as a guide to achieve the proper application rate.

Mixing Procedures: Product comes ready to use. There may be some slight separation that would exhibit a clear liquid on top that is readily remixed prior to use.

Skid Resistance: All silicone roof coatings are slippery when damp or wet. Broadcast uniformly #11 ceramic roofing granules into the wet / uncured coating at the rate of 30# per 100 square feet

Mixing Procedures: **DO NOT ADD MINERAL SPIRITS** Product comes ready to use. There may be some slight separation that would exhibit a clear liquid on top that is readily remixed prior to use.

Weather Restrictions: Temperature must be a minimum of 50°F and cures at normal temperatures and humidity levels in 1 to 4 hours by reacting with moisture in the air. Not to be applied if rainfall expected in one hour after application.

Storage and Shelf Life: Coating has a recommended shelf life of 24 months from date of manufacture when stored in unopened containers between 40°F and 80°F.

All opened cans should be used completely otherwise coating will cure in the container. A blanket of plastic or a light coat of mineral spirits may be placed on the unused portion to prevent curing. The mineral spirits is to be mixed into the coating prior to use.

CONTACT BULLDOG AT 800-352-9898 for all application and product assistance prior to start.

Safety Precautions: Keep coating material and cleaning solvents away from all sources of heat, sparks, flame, lighted smoking materials, or any other ignition source. Pumping equipment should be grounded to avoid accidental ignition due to static sparks. Avoid breathing solvent vapors. Use an appropriate MESA/NIOSH approved respirator when exposure can exceed recommended PEL. This product is not recommended for interior use. Additional care must be taken to prevent roof top HVAC equipment from introducing evaporating solvent into interior areas during application. Building occupants should be warned of spray operations in process. Installers should exercise caution during spray processes to avoid falls caused by stepping into slippery wet coating. Installers should read and understand all technical and informational literature on this product, including the SDS, prior to use of the product.

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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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