

BULLDOG/DUREX #TC101 ELASTOMERIC COATING



DESCRIPTION

BULLDOG / DUREX Elastomeric Coatings are waterborne products formulated with 100% acrylic resins that create a seamless, monolithic coating when cured. The coating provides superior durability, weatherability and elongation. When applied in our white pigmented formulation it will remove heat off the roof surface and lower cooling costs.

Designed to accommodate building movement, this Elastomeric single component, non – flammable, breathable, high – performance coating resists ultra violet radiation. It has excellent low temperature flexibility and has high moisture resistance. This product contains biocides and mildewcides to prevent algae growth on roofs.

This coating meets all VOC regulations. Consult factory or view website at www.palmerasphalt.com for color chart. Custom colors available.

USES

BULLDOG / DUREX TC 101 Elastomeric Coating is the topcoat finish designed for use to extend the life of roof membranes and surfaces. This material is a solar reflective maintenance coating designed to reduce roof temperatures and extend the service life of the roof to which it is applied. Among the surfaces this coating affords excellent protection are metal, modified membranes, asphalt, EPDM, hypalon, plywood and masonry surfaces. There may be a surface specific primer required prior to use of the coating. Consult with factory for proper surface preparation prior to use.

This is a low maintenance coating that lasts for years. It can be sustained over time by applying subsequent applications of the coating. The use of this coating over a properly prepared substrate and dry insulated roof is lower in cost versus roof tearoff and replacement.

Do not use on areas that pond water. Do not allow product to freeze. NOT RECOMMENDED AS A TRAFFIC COATING

SURFACE PREPARATION & REPAIRS

All surfaces must be thoroughly prepared to properly accept the coating. Clean roof of all loose dirt, debris, oil and any contaminants that may interfere with adhesion. METAL: Remove all loose rust and apply applicable rust primer if necessary.

SINGLE PLY MEMBRANES: Thoroughly power wash all single ply roofs to remove any dirt. BULLDOG #115 EPDM Rinseable Primer must be used on all roofs of this composition. See product information sheet for specific details.

Remove any blisters on roof and make repairs. All loose gravel on gravel surfaced roofs must be removed. Any areas that pond water (water that lays on roof surface for 24 hours) should have a drain installed or a slope to drain should be constructed using acceptable roofing practices.

METHOD AND RATE OF APPLICATION

Apply by roller brush or spray. Prime surface with appropriate primer when required or specified. When used as a maintenance coating apply at the minimum rate of 2 gallons per 100 square feet in two equal applications of 1 gallon per 100 square feet per coat. Apply the second coat perpendicular to the first coat. Allow the first coat to dry prior to the application of the second coat. It is recommended that BULLDOG / DUREX BC123 Basecoat be applied as the initial coat. BC 123 is offered in a gray color that is used to assist the applicator in insuring adequate product usage for the top or finish coat.

Apply in minimum temperatures of 50°F and rising and no rainfall is expected. Dry time is dependent upon humidity, sun, air movement and temperature. Allow proper open dry time in order for the product to cure properly. The higher the humidity the slower the dry time.

(over)

Application rates can vary depending upon porosity of surface to which coating is applied and irregularity of substrate to which product is applied.

APPLICATION EQUIPMENT

Rollers should be medium or long nap.

Suggested Spray Equipment: Airless spray capable of 2500 – 3000 psi with an output of 2 – 2.5 gallons per minute. Tip size: .027 - .041.

APPLICATION TEMPERATURES

This is a waterborne product and should not be applied below temperatures of 50°F. Under proper conditions the coating will cure between 2 – 4 hours. High humidity will retard dry time. Allow base coat to thoroughly dry prior to application of successive coats.

CONTAINER SIZE	APPROXIMATE SHIPPING WEIGHTS
5 Gallons	64 Pounds

TYPICAL PHYSICAL CHARACTERISTICS

Weight per Gallon	12.1 lbs.
% Solids by Volume	66.9
Pigment volume concentration	43.0%
Viscosity	110 KU
pH	8.6
Low temperature flexibility	Passes 1/8" mandrel bend @ -30° ASTM C-734
Elongation at break	245% @ 74° F 130% @ 0° F..... ASTM D-412
Tensile Strength at break	165 psi @ 74° F 660 psi @ 0° F..... ASTM D-412
Recovery after 25% elongation	65%..... ASTM D-412
Permeability (20 mil film)	< 20 perms..... ASTM E96-80
Accelerated Weathering	No effect after 2 years weatherometer..... ASTM G-53
Theoretical Coverage @ 1 Dry Mil	833 sq. ft. = 8.33 mils/gallon/100 sq.ft.
Surface temperature at application	50° F minimum 95° F maximum
Dry Time	Depends on temperature, direct sunlight, air movement, relative humidity, dew point, etc. and can vary considerably. Also, the thicker a coating is applied the longer it will take to dry. Allow 2 hours between coats.

Clean Up of Tools Water

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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.

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