



# **BULLDOG/DUREX ELASTOMERIC SYSTEM**

## **Polyurethane Foam Roof Specification (PUF System)**

### **DESCRIPTION**

BULLDOG / DUREX Elastomeric Coatings are waterborne products formulated with 100% acrylic resins. When applied these products create a seamless, fluid applied membrane system for use on a variety of surfaces.

### **MATERIALS**

BULLDOG / DUREX BC 123 Base Coat  
BULLDOG / DUREX TC 101 Top Coat  
#272 Polyester Membrane  
Compatible expanding foam for repairs - This type of material is not produced or available through Palmer Asphalt Company.

### **APPLICATION EQUIPMENT**

Apply by brush, roller or spray. 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

### **ROOF INSPECTION**

At planning stage of job inspect all areas of roof to identify where moisture may be entering. Determine if foam around perimeters has pulled or shrunk from perimeters, flashing or protrusions. Determine if water has entered under the foam which can cause the foam to lift off the substrate. A core coat sample is recommended. Advise Palmer Asphalt of any unusual conditions for further guidance. Remove and replace any damaged or wet areas of foam.

### **INSTALLATION**

Installation of the BULLDOG/DUREX PUF System is accomplished by the following:

- 1) surface preparation
- 2) foam repair or replacement
- 3) treatment of protrusions
- 4) application of BULLDOG/DUREX Coatings to create a fluid applied membrane

### **ROOF PREPARATION**

Replace foam, where necessary, at any point where foam has deteriorated from any area such as roof edge perimeters, roof mounted equipment, curbs, protrusions, etc. Cut out any blisters emanating from protective coating that was applied to surface of foam. All areas where foam has to be replaced must be refoamed to bring the substrate to a smooth surface.

Proper surface preparation is essential for successful application of any coating. All dirt, debris and any contaminants that can interfere with adhesion of coatings must be remediated. Pressure wash the roof surface using clean water at 2,000 psi to remove dirt.

### **REPAIR/PENETRATIONS**

Apply BULLDOG/DUREX #BC123 Elastomeric Coating around base area of any protrusions. Imbed 6" #272 BULLDOG Stitchbond Polyester into wet coating. Allow coating to bleed through polyester. Polyester must be feather cut when used on cylindrical protrusions. Apply additional coat of BULLDOG/DUREX coating on top of polyester.

### **COVERAGE RATE:**

1 1/2 gallons - 2 gallons per 100 lineal feet

## **APPLICATION OF BULLDOG/DUREX FLUID APPLIED MEMBRANE**

### **BULLDOG/DUREX PUF SYSTEM Standard 5 Year Material Warranty**

1. Basecoat: Apply BULLDOG/DUREX #BC123 basecoat at the minimum rate of 1 gallon per 100 square feet in a uniform manner. Allow to dry. The basecoat is generally supplied in a concrete gray color.
2. Topcoat: Apply BULLDOG/DUREX #TC101 as the second and final coat at the minimum rate of 1.25 gallons per 100 square feet on top of the cured base coat.

This will yield a dry film thickness of approximately 19 mils.

Warranty is not applicable for roofs that pond water for more than 48 hours and for applications over previously applied silicone coatings. Consult factory for additional information.

### **BULLDOG/DUREX PUF SYSTEM Standard 10 Year Material Warranty**

1. Basecoat: Apply BULLDOG/DUREX #BC123 basecoat at the minimum rate of 1 gallon per 100 square feet in a uniform manner. Allow to dry. The basecoat is generally supplied in a concrete gray color.
2. Intermediate Coat: Apply BULLDOG/DUREX #BC123 basecoat at the minimum rate of 1 gallon per 100 square feet in a uniform manner. Allow to dry.
3. Topcoat: Apply BULLDOG/DUREX #TC101 as the final coat at the minimum rate of 1.25 gallons per 100 square feet on top of the cured intermediate coat.

This will yield a dry film thickness of approximately 27 mils.

Warranty is not applicable for roofs that pond water or applications over previously applied silicone coatings. Consult factory for additional information.

### **NOTES:**

- 1) The basecoat, intermediate and topcoat is the same formulated product with the exception of the color. The basecoat, intermediate coat is supplied in an alternate color to that of the topcoat to assist the applicator in applying the correct amount of material.
- 2) Apply when temperatures are a minimum of 50° F and rising and there is no rain imminent for 24 hours.
- 3) Dry time depends upon temperature, direct sunlight, air movement, relative humidity and dew point. The higher the humidity the longer the cure time. Do not apply when rain, dense fog, or freezing temperatures are possible within 24 hours after application. It is the responsibility of the applicator to determine if the present and forecasted weather conditions are acceptable for application of waterborne coatings.
- 4) Application rates can vary depending upon porosity of surface to which coating is applied and irregularity of substrate to which product is applied.

It is recommended that 10% be added to material requirements for estimating use. Total material requirements are the responsibility of the applicator or purchaser of the product.

### **NOT FOR USE UNDER PONDING WATER**

**6/08**

**PUF Roof Spec**

## **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.

## **INSPECTION**

Visually inspect the entire roof and touch with additional DUREX Elastomeric Coating as necessary to insure adequate coverage.

## **CLEAN UP**

Clean all tools and over applied areas with soap and water before coating dries. Clean all pumps, and application equipment immediately following use before coating dries.

## **DISCLAIMER OF WARRANTY**

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.