

## HEAVY DUTY POLYFORM

### **DESCRIPTION AND PURPOSE:**

Heavy Duty PolyForm is a 100% polyester reinforcing fabric used in conjunction with Heavy Duty Roof Coating or Flex•Shield Roof Coating to prolong the life of weathered gravel asphalt roofs.

### **OUTSTANDING FEATURES:**

Heavy Duty PolyForm is a tough reinforcing fabric especially designed for renewal of gravel roofs. When this remarkably strong fabric is embedded between two coats of Heavy Duty or Flex•Shield Roof Coating, an economical new waterproofing membrane with outstanding performance characteristics is the result. Superior strength, stretchability and durability produce a roof which will outlast conventional approaches to maintenance of gravel roofs.

### **CONFORMS READILY TO ROUGH GRAVEL SURFACES**

One of the most important features of this product is its ability to conform to rough gravel surfaces. Because it is so light weight and so flexible, it molds itself to the roof surface. This helps eliminate the blister causing voids created by roof reinforcements that simply lay across the top of embedded

gravel. Better adhesion and embedding of the fabric and a more durable waterproofing membrane are the important result of this feature. Superior conformability also reduces the likelihood of punctures, which can occur when rigid reinforcements are used over rough surfaces.

### **SUPERIOR STRENGTH & FLEXIBILITY**

Heavy Duty PolyForm Roof Maintenance is a 100% polyester "spunlaced" fabric with superior flexibility, stretchability and strength. In laboratory tests designed to show the relative characteristics of roof reinforcements, Heavy Duty PolyForm proved itself as much as 10,000 times more flexible, 25 times more stretchable and 4 times as strong as typical fiberglass reinforcements and organic roofing felts.

### **EASIER, FASTER, LESS COSTLY INSTALLATION**

And, Heavy Duty PolyForm is lighter than other types of reinforcements. It weighs only about 1 pound per 100 square feet, compared to 15 pounds per 100 square feet for typical organic felts. This makes installation easier, faster and less costly. Heavy Duty PolyForm is simply rolled out and broomed into the first coating of Heavy Duty or Flex•Shield Roof Coating. Then a second coating is applied. It's a simple three step process that produces an exceptionally strong and durable roof.

### **LONGER LIFE & FEWER**



## MAINTENANCE PROBLEMS

Heavy Duty PolyForm's superior strength, flexibility, conformability and ease of application mean longer life and fewer maintenance problems for gravel roofs. Heavy Duty PolyForm has exceptional resistance to splitting, cracking and tearing caused by thermal shock and structural stresses. Heavy Duty PolyForm has the ability to expand and contract with these stresses to a much

greater degree than conventional reinforcements.

SWEPCO's simple approach to gravel roof maintenance . . . utilizing Heavy Duty PolyForm and one of SWEPCO's superior protective coatings . . . results in a smooth seamless, pliable waterproofing membrane . . . a membrane that has the strength and durability to outlast roof maintenance approaches which rely on fiberglass reinforcements or organic roofing felts.

## GENERAL DATA:

## TYPICAL PHYSICAL PROPERTIES

Unit Weight, oz/100 ft <sup>2</sup> (g/m <sup>2</sup> )	17.78 (54.26)
Roll Size	
Length, ft (m)	360 (109.73)
Width, in (cm)	36 (91.44)
Breaking Strength, lbs	25 x 13.5 (width x length)
Elongation, %	70 x 110 (width x length)
Mullen Burst, lbs	32
Flex Life Cycle	>100,000

## APPLICATION INFORMATION:

**IMPORTANT:** Heavy Duty PolyForm is used with Heavy Duty Roof Coating or Flex•Shield Roof Coating for renewal of gravel surfaced asphalt roofs. The instructions provided here relate to this product only. For complete application instructions refer to the appropriate SWEPCO Roof System installation instructions brochure.

**PREPARATION:** The roof surface must be clean. All loose gravel and dirt should be swept off of the roof. All cracks, blisters or other imperfections should be repaired with Heavy Duty or Flex•Shield Patching Compound and Heavy Duty Patching Fabric. If the roof is exceptionally dirty and difficult to clean, a treatment with Heavy Duty or

Flex•Shield Primer is highly recommended.

**APPLICATION:** Heavy Duty PolyForm is embedded between two coatings of Heavy Duty or Flex•Shield Roof Coating. The first coating is applied in 36 in. (91.44 cm) wide strips starting at the downhill edge of the roof at the minimum rate of 6.00 gal. per 100 sq. ft. (2.45 liter/m<sup>2</sup>). Heavy Duty PolyForm is then unrolled and broomed into the first coating. The Heavy Duty PolyForm must be thoroughly embedded in the first coat while it is still wet. It should be broomed in until it is thoroughly saturated (brownish-black in color). The second coating is then applied over the top of the Heavy Duty PolyForm at the minimum rate of 3.00 gal. per 100 sq. ft. (1.22 liter/m<sup>2</sup>). Subsequent courses are installed in the same manner, overlapping the previous course a minimum of 4 in. (10.16 cm). All roll ends should be overlapped a minimum of 6 in. (15.24 cm).

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