

PRODUCT DATA BULLETIN II

HEAVY DUTY POLYMASTER

DESCRIPTION AND PURPOSE:

Heavy Duty PolyMaster is a heavy duty reinforcing mat composed of polyester strands bonded into a random, non-woven pattern under heat and pressure. It is designed to reinforce and stabilize Heavy Duty and Flex•Shield Roof Coating in a number of applications for maintenance of smooth roofs and some new roof construction.

OUTSTANDING FEATURES:

Heavy Duty PolyMaster designed is an exceptionally tough reinforcing mat for maintenance of smooth surface roofs and some new roof applications. It has been especially designed for use with Heavy Duty Roof Coating and Flex•Shield Roof Coating. Embedded between two coats of one of these coatings, it reinforces the coating just as steel reinforces concrete . . . adding strength, stability and longer life to the waterproofing membrane.

STRONG, YET FLEXIBLE

Heavy Duty PolyMaster is made of 100% polyester strands bonded into a random, non-woven pattern under controlled heat and pressure. This combination of pattern and type of material produces a reinforcing mat of exceptional strength. In laboratory tests designed to show the relative strength of roof reinforcements, Heavy Duty PolyMaster proved itself up to 9 times stronger, 10,000 times more flexible and 20 times more stretchable than either fiberglass reinforcements or typical organic roofing felts.

LONGER LIFE & FEWER MAINTENANCE PROBLEMS

When applied to roofing applications, these outstanding performance characteristics mean Heavy Duty PolyMaster provides longer life and fewer maintenance problems.

Because it's stronger, more flexible and more stretchable than other reinforcements, Heavy Duty PolyMaster has exceptional resistance to splitting, cracking and tearing caused by thermal shock and structural stresses. A roof membrane installed with Heavy Duty PolyMaster has the ability to expand and contract with these stresses to a much greater degree than conventional reinforcements.

EASIER, FASTER, LESS COSTLY INSTALLATION

And Heavy Duty PolyMaster is lighter than other types of reinforcements. So it's easier, faster and less costly to install. Heavy Duty PolyMaster is simply rolled out and broomed into the first coating of Heavy Duty or Flex•Shield Roof Coating. Then a second coating is applied. The result is a smooth, seamless, pliable waterproofing membrane . . . a membrane that has the strength and durability to outlast roofs utilizing conventional fiberglass reinforcements or organic roofing felts.



GENERAL DATA:

TYPICAL PHYSICAL PROPERTIES

Unit Weight, oz./100 ft ² (g/m ²)	15.00 (45.78)
Roll Length, ft (m)	360 (109.73)
Roll Width, in (cm)	36 (91.44)
Breaking Strength, lbs	25
Tear Strength, lbs	8
Elongation at Break, %	42
Flex Life Cycle	>100,000

APPLICATION INFORMATION:

IMPORTANT: Heavy Duty PolyMaster is used with Heavy Duty Roof Coating or Flex•Shield Roof Coating for renewal of smooth surfaced asphalt roofs and in some new roof applications. It can also be used over granular surfaced asphalt roofs when used in conjunction with the Flex•Shield Product Line. The instructions provided here relate to this product only. For complete application instructions refer to the appropriate roof system application instructions brochure.

PREPARATION: The roof surface must be clean. All loose dirt and debris should be swept off the roof. All Cracks, blisters or other imperfections should be repaired with Heavy Duty or Flex•Shield Patching Compound and 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 PolyMaster is embedded between 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 rate of 3.00 gal. per 100 sq. ft. (1.22 liter/m²). Heavy Duty PolyMaster is then unrolled and broomed into the first coating. The Heavy Duty PolyMaster 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 PolyMaster at the rate of 3.00 gal. per 100 sq. ft. (1.22 liter/m²). 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).

