

PRODUCT IDENTIFICATION

PERMAFLEX®

#482553 - 53 gallon drums

#482505 - 5 gallon pails

ASPHALT EMULSION ROOF COATING

Description

PERMAFLEX is a water-based, non-fibered, elastomeric asphalt emulsion roof coating modified with neoprene rubber.

Uses

PERMAFLEX is formulated to provide a flexible, waterproof, elastic film for the protection of existing asphalt roofs. It is also used in conjunction with PERMAFAB polyester reinforcing fabric as a smooth surface roof restoration system.

Advantages

PERMAFLEX is fiber-free allowing for excellent sprayability using a variety of pumps and spray tips. The PERMAFLEX/PERMAFAB maintenance system is fast and easy to install, which lends itself to an economical installation. As a cold-applied system, PERMAFLEX needs no kettles or torches, so it is safe to use. PERMAFLEX has excellent elastomeric and weatherability characteristics.

Limitations

Application temperature shall be above 50°F. Protect from freezing. Do not apply when rain is imminent. Not intended for ponding water or for use over tar or silicone coatings. New asphalt surfaces must be cured 30 days minimum prior to application of PERMAFLEX. PERMAFLEX must also cure 30 days minimum prior to application of reflective coatings.

Coverage

PERMAFLEX Coating is to be applied at the following recommended coverage rates:

Smooth BUR / Mod Bit 3 1/2 gal./100 sq. ft.
(56 wet mils)

Preparation

All surfaces are to be free of dirt, grease, oil, chalk, loose paint, rust, mortar, and other foreign matter, which could prevent proper adhesion. This is best accomplished using a high-pressure power wash of at least 2,000 psi. All surfaces must be completely dry prior to the application of PERMAFLEX. Ruptures, splits, blisters, cuts and torn flashings shall be repaired as needed. Refer to appropriate application specification for further information.

Application

Apply WB PRIMER at a rate of 200-400 sq. ft. per gallon. Allow primer to fully dry before applying PERMAFLEX. PERMAFLEX can be applied by brush, roller, or spray gun to specified coverage rate. Surfacing options include the broadcasting of granules, the application of ALUMANATION 301 fibered aluminum roof coating, SOLARGARD Ultra or SOLARGARD 6083. Refer to appropriate application specification for additional information.

Spray Equipment Recommendation

Pumps: Graco King 45:1, Graco Bulldog 30:1 or gas powered equivalents. Graco GH733, HydraMax 350 or GMax 7900 or other manufacturers' equivalents.

Hose/Pressure: 50'-300' length (depending on spray rig pressure). When using hoses longer than 100' use the next larger hose ID every 50'. Every 50' of hose

TECHNICAL DATA

Weight per Gallon (ASTM D 1475)	8.3 ± 0.2 lbs.
Specific Gravity (ASTM D 1475)	1.00 ± 0.02
Elongation @ 77°F (ASTM D 412)	800% ± 100 %
Flexibility @ 0°F (ASTM D 1737)	Passes 1/2" mandrel
Tensile Strength @ 77°F (ASTM D 412)	38 psi
Dry Time (ASTM D 1640)	24 hours
Flashpoint (ASTM D 3278)	None
VOC Content (ASTM D 3960)	50 g/l
Clean Up	Water/mineral spirits rinse



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will reduce the spray pressure of the rig by 10% at the gun tip.

i.e. 300' hose – 3/4" (50/100') to 5/8" (50/100') to 1/2" (50/100') to 3/8" (50')

Good results are generally obtained @ 2000–3000 psi at spray tip.

Tip Sizes:

Fan Width (in)	.039	.043	.047	.051	.055	.059
10"–12"	539	543	547	551	555	559
12"–14"	639	643	647	651	655	659
14"–16"	739	743	747	751	755	
16"–18"	839	843	847	851	855	
Flow Rate	1.60 gpm	1.98 gpm	2.37 gpm	2.79 gpm	3.25 gpm	3.74 gpm

Gun: Graco Contractor Gun, Graco Contractor FTx gun, Graco Silver Plus or equivalent. (Tip extrusions or pole guns can be used.)

•Graco Heavy - Duty RAC Switch tips (GHDXXX) Grey

*Additional tip sizes are available between .039-.059

Maintenance

It is recommended that the coated area be checked on a regular schedule with additional inspections after the system has been exposed to severe weather conditions. Recoating or small area touch-up can be made at any time by following recommended application procedures. Store containers in a heated indoor area.

Technical Services

Technical advice or service on suitability of material for specific application and end-use requirements is available from the manufacturer. Refer to label and Material Safety Data Sheet (MSDS) for precautionary information.



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