

PRODUCT IDENTIFICATION

PERMAROOF®

#40055 – 55 gallon drums

#40005 – 5 gallon pails

WATERPROOFING SYSTEM FOR BUILT-UP AND MODIFIED BITUMEN ROOFS

Description

PERMAROOF is a high quality cold process adhesive and surfacing material formulated to resist the detrimental effects of the environment.

Uses

PERMAROOF is designed for the waterproofing, weatherproofing, and maintenance of Smooth asphalt built-up roofing and modified bitumen roofing.

Advantages

One of the advantages of PERMAROOF is that it is extremely strong and highly resistant to splitting and cracking. It is fast and easy to install and lends itself to an economical installation. Because PERMAROOF is lightweight, there is less stress on the roof deck. It is safe to use since it is cold applied with no kettles or torches needed.

Limitations

For industrial use only. Application temperature shall be above 40°F. Not intended for use in areas subject to vehicular traffic, ponding water and over tar or silicone based coating. Not intended for use in areas exposed to solvents, oils, or other contaminants harmful to asphaltic materials. Do not apply when rain is imminent.

Coverage

PERMAROOF 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 wash of at least 2,000 psi. All surfaces must be completely dry prior to the application of PERMAROOF. Refer to appropriate application specification for further information.

Application

PERMAROOF can be applied by brush, roller, or spray gun to specified coverage rates. Surfacing options include the broadcasting of granules or gravel. Refer to appropriate BUR / Modified Bitumen application specification for further 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 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.

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

Tip Sizes:

TECHNICAL DATA

Weight per Gallon (ASTM D 1475)	7.9 ± 0.2 lbs.
Specific Gravity (ASTM D 1475)	0.95 ± 0.02
Solids by Weight (ASTM D 1353)	61% ± 2%
Solids by Volume	53% ± 2%
Dry Time	24 hours
Flashpoint (ASTM D 3278)	104°F
VOC	340 g/l
Storage Life (unopened)	One Year
Clean Up	Mineral spirits


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POWDERED METALS, INC.

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PERMAROOF®

•Graco Heavy - Duty RAC Switch tips (GHDXXX)

Grey

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

Maintenance

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

It is recommended that the coating installation be checked on a regular schedule with additional inspections after the system has been exposed to severe weather conditions. Small area touch up can be made at any time by following recommended application procedures.

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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