

PRODUCT IDENTIFICATION

REPUBLIC WB PRIMER

#110905 - 5 gallon pail
#110901 - 1 gallon container
(4 per case)

WATER-BASED PRIMER

Description

REPUBLIC WB PRIMER is a quick drying, asbestos free, water-based primer for smooth or granular surface asphalt and modified bitumen roofs.

Uses

REPUBLIC WB PRIMER is the recommended primer for use on asphalt built-up or modified bitumen roofs prior to the application of SOLARGARD ULTRA, SOLARGARD 6083 or PERMAFLEX coatings.

Advantages

REPUBLIC WB PRIMER allows maximum penetration of dried out felts and porous substrates to provide a highly receptive surface for SOLARGARD ULTRA, SOLARGARD 6083 and PERMAFLEX coatings. Quick drying formula minimizes wait for curing. Environmentally safe and VOC compliant.

Limitations

Application temperature shall be above 50°F. Protect from freezing. Not intended for use in ponded areas, over coal tar pitch or silicone based coatings. REPUBLIC WB PRIMER must be top-coated with SOLARGARD ULTRA, SOLARGARD 6083 or PERMAFLEX within 48 hours. Not intended to be used as a final surface coating. Do not apply when rain is imminent. Storage life is one year in a sealed container.

TECHNICAL DATA

Weight per Gallon (ASTM D 1475)	8.5±0.3 lbs.
PH (ASTM E 70)	9.2 ± 0.5
Non-Volatile Content (ASTM D 1644)	32% ± 2%
Viscosity @ 77°F (ASTM D 562)	<52 KU
Dry Time	2 hours to tack free Overnight to hard
Dry Film at 200 sq. ft./gal	3.3 mils
Flashpoint (ASTM D 3278)	None
Color	Blue/black
Clean Up	Soap & water
VOC	2 g/l

Coverage

Applied as a single coat over smooth surface built-up and modified bitumen roofs, REPUBLIC WB PRIMER will cover approximately 200 sq. ft./gal. (8 wet mils) and will produce a dry film thickness of approximately 2 mils. Over granular surfaces, the coverage rate will be 100 sq. ft./gal. The porosity of the surface to be coated may cause coverage to vary.

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. A surface cleaner shall be used to remove all grease or oily deposits.

Application

REPUBLIC WB PRIMER can be applied by brush, roller or spray application.

When REPUBLIC WB PRIMER has been applied longer than 48 hours prior to application of SOLARGARD ULTRA, SOLARGARD 6083 or PERMAFLEX, REPUBLIC WB PRIMER is to be reapplied. All surfaces which have been primed, must be clean and free of dirt, grease, oil and other foreign matter, which could prevent proper adhesion of SOLARGARD ULTRA, SOLARGARD 6083 or PERMAFLEX.

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



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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 @ 1500–2500 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:

Fan Width (in)	.015	.017	.019	.021	.023	.025
10"–12"	515	517	519	521	523	525
12"–14"	615	617	619	621	623	625
14"–16"	715	717	719	721	723	725
16"–18"	815	817	819	821	823	825
Flow Rate	0.24 gpm	0.31 gpm	0.38 gpm	0.47 gpm	0.57 gpm	0.67 gpm

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. 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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