

PRODUCT IDENTIFICATION

# REPUBLIC SINGLE PLY PRIMER

#111105P - 5 gallon pail

#111101C - 1 gallon container  
(4 per case)

WATER-BASED ACRYLIC PRIMER

## Description

REPUBLIC SINGLE PLY PRIMER is a quick-drying, asbestos free, water-based, acrylic primer for use on various base surfaces such as weathered single ply membranes, concrete, polyurethane foam, sheet metal, and PVC.

## Uses

REPUBLIC SINGLE PLY PRIMER is the recommended primer for use on weathered single ply, concrete and polyurethane foam roofs prior to the application of SOLARGARD ULTRA or SOLARGARD 6083 coating systems. It is also used as a one coat priming system where it is necessary to join GEOFLEX sealing edges or GEOFLEX Cover Tape to concrete pipes, sheet metal, etc. (See GEOFLEX Installation Handbook.)

## Advantages

REPUBLIC SINGLE PLY PRIMER provides maximum bond to weathered single ply, concrete and polyurethane foam roof substrates to receive reflective topcoats of SOLARGARD ULTRA or SOLARGARD 6083 coating systems. Quick drying formula minimizes wait for curing. Environmentally safe and VOC compliant.

## Limitations

For industrial use only. New metal must be cleaned with solvent to remove factory oil film. 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 SINGLE PLY PRIMER must be top-coated with SOLARGARD ULTRA or SOLARGARD 6083 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 unopened container.

## Coverage

Applied as a single coat; will cover approximately 300-400 sq. ft./gal. (4-5 wet mils) and will produce a dry film thickness of approximately 1-2 mils. The age and composition of the surface will dictate actual coverage rates.

## 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. New metal must be cleaned with solvent to remove factory oil film. Factory coated metal must be sanded, or mechanically abraded to allow for proper bonding of the REPUBLIC SINGLE PLY PRIMER.

## Application

REPUBLIC SINGLE PLY PRIMER can be applied by brush, roller or spray application. REPUBLIC SINGLE PLY PRIMER can be applied using a low pressure hand compression sprayer. (Hudson Type)

Promptly clean tools and equipment with water and mild detergent. Dried primer can be cleaned with mineral spirits.

When REPUBLIC SINGLE PLY PRIMER has been applied longer than 48 hours prior to SOLARGARD ULTRA or SOLARGARD 6083 application, REPUBLIC SINGLE PLY

## TECHNICAL DATA

<b>Weight per Gallon (ASTM D 1475)</b>	8.4 ± 0.3 lbs.
<b>Solids by Volume</b>	31.2%
<b>Solids by Weight</b>	32%
<b>VOC (ASTM D 3960)</b>	80 g/l
<b>Viscosity @ 77°F (ASTM D 562)</b>	52 KU
<b>Dry Time</b>	4 hours
<b>Flashpoint (ASTM D 3278)</b>	None
<b>Color</b>	Clear
<b>Clean Up</b>	Soap & water
<b>VOC</b>	80 g/l



**REPUBLIC**  
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PRIMER may need 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 SOLRGARD ULTRA or SOLARGARD 6083.

## 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 @ 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. Recoating or 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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The information provided on this data sheet is effective as of September 2010 and supersedes all previous data concerning this product and its application.

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