

PRODUCT IDENTIFICATION

REPUBLIC METAL PRIMER

DEVT805DC 805 - 5 gal pail

DEVT805DC 801 - 1 gal can

ACRYLIC PRIMER

Description

REPUBLIC METAL PRIMER is a water-based, acrylic metal primer formulated to provide a tough, flexible film for the protection of steel against atmospheric corrosion. REPUBLIC METAL PRIMER will resist the effects of moisture and prevent the corrosion of steel substrates in normal industrial environments when used in conjunction with SOLARGARD HY-BUILD or SOLARGARD 6083.

Uses

REPUBLIC METAL PRIMER prevents corrosion on metal substrates when used in conjunction with SOLARGARD HY-BUILD or SOLARGARD 6083.

Advantages

REPUBLIC METAL PRIMER is tough, yet flexible allowing it to protect metal substrates while also providing for better adhesion of the coating to the substrate. REPUBLIC METAL PRIMER must be top-coated with SOLARGARD HY-BUILD or SOLARGARD 6083 within 72 hours. Since it is resistant to moisture, REPUBLIC METAL PRIMER also provides additional protection against rust.

Limitations

Application temperature shall be above 50°F. Protect from freezing. Not intended for use in areas subject to vehicular traffic or where water continuously ponds. Do not apply when rain is imminent. Shelf life is 6 months when stored at room temperature in unopened containers.

Coverage

Minimum recommended coverage is 100 to 200 sq. ft. per gallon (8 - 16 mils wet).

Preparation

Remove loose rust, loose mill scale, and loose paint by hand chipping, scraping, wire brushing, power tooling, grinding, or brushing.

Application

REPUBLIC METAL PRIMER can be applied by brush, roller or spray application. In can appearance is milky white and may have a slight foam appearance. Once applied, it will be slightly cloudy but transparent.

When REPUBLIC METAL PRIMER has been applied longer than 72 hours prior to application of SOLARGARD HY-BUILD or SOLARGARD 6083, REPUBLIC METAL 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 HY-BUILD 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.

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

TECHNICAL DATA

Weight per Gallon (ASTM D 1475)	9.9 ± 0.2 lbs.
Solids by Volume	43.9% ± 1%
Solids by Weight	51.6% ± 1%
Dry Time	4 hours
Specific Gravity	1.115 ± 0.02
Clean Up	Soap & water
VOC	3 g/l



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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.)

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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