

PRODUCT IDENTIFICATION

SOLARGARD® ACRYLIC COLOR COAT

1411700005P – 5 gal pail

1411700001C – 1 gal can

WATER-BASED ACRYLIC PROTECTIVE ROOF COATING

Description

SOLARGARD ACRYLIC COLOR COAT is a single component, water-based, acrylic roof coating formulated to provide industrial performance with low VOC and odor. SOLARGARD ACRYLIC COLOR COAT is a protective roof coating designed to provide a protective semi-gloss color coat to SOLARGARD ELASTOMERIC 6083.

TECHNICAL DATA

Weight per Gallon	8.7 ± 0.5 lbs.
Solids by Weight (D 1644)	42% ± 1%
Solids by Volume (D 2697)	39% ± 1%
Viscosity (D 562) Stormer	109 KUs
Recommended Dry Film Thickness	6 mils min.
Wet Film to Achieve DFT	16 wet mils
Dry Time	30 minutes to touch 24 hours to recoat
Initial Percent Elongation @ 73F (D 2370)	980%
Initial Tensile Elongation @ 73F (D 2370)	692 ± 1 psi
Water Swell (D 471)	12% ± 1%
Accelerated Weathering 1000 h (D 4798)	No cracking or checking
Tear Resistance (D 624)	191 lbf/in ± 1
Low Temperature Flex after 1000 h	
Accelerated Weathering (D 522)	Pass
Clean Up	Soap and Water

COVERAGE

Porosity, texture of surface, and specified dry-film thickness will dictate coverage. Coverage rates are as follows:

1 gal./100 sq. ft. 16 wet mils

*Do not exceed 32 wet mils in any one coat.

*Multiple coats may be required depending on surface and color options.

Uses

SOLARGARD ACRYLIC COLOR COAT is designed for application to Republic's SOLARGARD ELASTOMERIC 6083.

Advantages

SOLARGARD ACRYLIC COLOR COAT provides an alternative to two component products due to ease of application and maximum performance. Ideal for low VOC and other areas where odor can pose a problem. Utilizing nano technology, SOLARGARD ACRYLIC COLOR COAT provides excellent weathering and UV resistance as well as a rapid drying time. Helps minimize the formation of salts or frosting on acrylic coatings.

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.

Preparation

All surfaces are to be free of dirt, grease, oil, gravel, loose paint, loose rust, excess chalk, 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. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. Allow surface to completely dry.

If metal panel finish is Kynar 500 or the roof/wall was previously coated, please contact the Republic Technical Department for surface preparation recommendations.



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Application

Refer to application specifications for additional information.

Previously Coated: SOLARGARD ACRYLIC COLOR COAT can be applied to surfaces in sound and good condition, which were previously coated with SOLARGARD ELASTOMERIC 6083. SOLARGARD ACRYLIC COLOR COAT can be applied by brush, roller or spray gun to specified coverage rates.

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').

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

Tip Type: Heavy Duty RAC Switchtips (GHDXXX) Gray.

Fan Width (in)	.031	.033	.035	.037	.039	.041
10"-12"	531	533	535	537	539	541
12"-14"	631	633	635	637	639	641
14"-16"	731	733	735	737	739	
16"-18"	831	833	835	837	839	
Flow Rate	1.20 gpm	1.40 gpm	1.60 gpm	1.80 gpm	1.98 gpm	2.17 gpm

Maintenance

It is recommended that the coating application be checked on a regular schedule with additional inspections after the system has been exposed to severe 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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Member of Cool Roof Rating Council

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