

PRODUCT IDENTIFICATION

# SOLARGARD® G ADHESIVE

#171170005P – 5 gallon pails

#1711700052D – 52 gallon drums

**COLD APPLIED, AGGREGATE SURFACING  
ADHESIVE USED IN HIGHLY REFLECTIVE  
SOLARGARD G SURFACING SYSTEM**

**Description**

SOLARGARD G Adhesive is a white, highly reflective, low volatile surfacing adhesive.

**Uses**

Designed for application as a cold process aggregate surfacing adhesive for restoration of most built-up and modified bitumen roof surfaces.

SOLARGARD G Adhesive and A-1 Grit White Marble Roofing Aggregate meet the requirements of California's Title 24 Energy Efficiency Standards.

**Advantages**

SOLARGARD G Adhesive Surfacing System is highly reflective to keep roof surface temperature down, reducing air conditioning loads and slowing the roof aging process. The Aggregate Surfacing provides long life with excellent protection, including protection from hail and traffic damage. SOLARGARD G Adhesive is low odor, allowing application even in restrictive areas such as schools and hospitals, and it is cold applied for ease of application.

**Limitations**

- Not intended to perform under ponding conditions. Positive drainage is required.
- Not for use as an interply adhesive.
- Not intended for exposure to solvents or oils.
- Not intended for use as a smooth roof coating.
- Not for use over coal tar roof systems.
- Not for use on roofs with slopes greater than 2:12.

**Preparation**

Remove dirt, dust and other loose debris from the roof. Area must be clean, sound and dry. SOLARGARD G Adhesive MUST be mixed thoroughly prior to being pumped by application equipment.

**For Barrels:** Use a low speed, long paddle blade mixer such as a 600 Series Drum Mixer from Hennes-Johnson or Garlok.

**For 5 gallon pails:** Use a jiffy mixer attached to a low speed, heavy duty power drill. Do NOT use a propeller type mixer.

**Application & Coverage**

**Gravel BUR:** Apply SOLARGARD G Adhesive over roof surface at a rate of 7 gal(min)/ 100 sq. ft. on Gravel BUR. Immediately broadcast a minimum of 200 lbs/square of new, clean, white marble chips into adhesive.

**Smooth BUR / Modified Bitumen:** Apply SOLARGARD G Adhesive at a rate of 4 1/2 gal(min)/ 100 sq. ft. on Smooth BUR and Modified Bitumen. Immediately broadcast a minimum of 100 lbs/square of new, clean, white granule into adhesive.

**TECHNICAL DATA**

<b>Asbestos Content (EPA 600/R-93/116)</b>	None
<b>Viscosity@ 77°F (ASTM D 2196-86 (1991))</b>	8,000 14,000cPs
<b>Density (ASTM D 6511-00)</b>	4.5 lbs/gallon
<b>Nonvolatile Content (ASTM D 6511-00)</b>	54%
<b>VOC (ASTM D 6511-00)</b>	232 g/l
<b>Flashpoint (ASTM D 3278)</b>	100°F
<b>Clean up</b>	Mineral Spirits
<b>Storage Life</b>	6 months
<b>Solargard G Adhesive w/#1 White Marble Rfg Aggregate</b>	
<b>Reflectance (ASTM C 1549)</b>	71%
<b>Emittance (ASTM C 1371)</b>	0.85
<b>SRI Value (ASTM E 1980)</b>	86
<b>Solargard G Adhesive w/A-1 Grit White Marble Aggregate</b>	
<b>Reflectance (ASTM C 1549)</b>	72%
<b>Emittance (ASTM C 1371)</b>	0.90
<b>SRI Value (ASTM E 1980)</b>	89



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Refer to appropriate application specification for further information.

## Recommended Gravel Sources:

3/8" White Marble Chips can be adhered in SOLARGARD G Adhesive. The CRRC listed SOLARGARD G Surfacing System utilizes the A-1 Grit White Marble Roofing Aggregate.

## Spray Recommendations:

**Air Compressor:** Capacity - 175 to 250 CFM (0.08-0.12 L/s) Working pressure - 80 to 90 psi (550-620 kPa)

**Output Pressure:** 4,000 psi

**Spray Tip:** 0.052" to 0.072" (1.2-1.8 mm) reversible.

## Squeegee Application:

Triangular notched to provide a minimum of 80 mil thick uniform application.

## Maintenance

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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