

## PRODUCT DESCRIPTION

Renegard SOLARGARD is a 100% solids, flexible, two component color stable elastomer spray applied coating material. SOLARGARD is autocatalytic, containing no solvents, hardeners, or diluents. SOLARGARD is used by itself or in combination with other materials to produce coatings and liners on concrete or metal substrates. Its composition makes it suitable for applications requiring color stability. SOLARGARD produces an extremely tough film at thicknesses of 15 – 60 mils. SOLARGARD may be applied in all positions to any properly prepared substrate.

## USES

Renegard SOLARGARD is a superior coating material designed specifically for industrial and commercial applications receiving constant or intermittent exposure to ultraviolet light. SOLARGARD is flexible, accommodating movement of the substrate, yet strong enough to remain intact under all conditions except major structural dislocations. With or without reinforcements, SOLARGARD may be used in transitional areas with confidence. SOLARGARD may be used in interior or exterior applications, however does not retain gloss.

### Ideal for Applications in:

- Anywhere Requiring Color Stability
- Vehicle Bed Liners
- Cargo Vehicles
- Emergency & Utility Vehicle Lining
- All-terrain Vehicles
- Fleet Vehicles / Work Vans
- Construction Vehicles / Equipment
- Recreation Vehicles
- Industrial Furniture / Equipment
- Farm Equipment

### Advantages:

- 100% Solids, No VOCs
- Color & UV Stable Formulation
- Flexible with High Tear Strength
- Excellent Thermal Stability
- Installation Temps: -30°F to 160°F
- Exposure Temps: -40°F to 160°F
- Fast Set for Nice Surface Texture / Stipple
- Seamless Elastomer
- Prevents Rust / Damage to Substrate
- Remains Flexible in Cold Temperatures
- Odorless, No Toxic Vapors

## PHYSICAL PROPERTIES



VOC	0%
Solids Content	100%
Gel Time, ASTM D1640	< 1 Minute
Tack Free, ASTM D1640	~ 2 Minutes
Initial Cure, ASTM D1640	48 Hours
Tensile Strength (psi), ASTM D638	1500 - 2000
Tensile Elongation (%), ASTM D638	225 - 500
Elastic Modulus (psi), ASTM D638	700 - 1500
Tear Strength (lb/in), ASTM D624	375 - 425
Shore (D) Hardness, ASTM D2240	40 - 44
Taber Abrasion, mg wt loss (1000g, 1000 revs, H-18), ASTM D4060	150 - 300

*The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.*

## LIMITATIONS

**SOLARGARD** should not be used for direct contact with extremely high or low pH attack. Consult **Renegard**.

## COVERAGE RATES

Theoretical Square Feet Per Gallon

Mils	10	15	50	60	80	100	125
Sq Ft	160	107	32	27	20	16	13

Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

## PACKAGING

**1500mL Dual Cartridges:** **SOLARGARD** comes pre-packaged as a dual cartridge system, 750mL "A-side" and 750mL "B-side". Cartridges filled at manufacturer; volume is closely approximated. Contact **Renegard** for alternate sizes.

## MIXING

**SOLARGARD** must be spray applied using approved equipment. Use 1:1 ratio pump, with appropriate application gun/wands/material heaters, as required for individual application.

## COLORS

A variety of colors are available; consult with **Renegard** for specific application required.

## SHELF LIFE

One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 60°F to 95°F (18° - 35°C).

## CLEAN UP

Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

## SAFETY

Review SDS at [www.renegard.com](http://www.renegard.com). Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvek overalls
- Splash shield or safety glasses with splash guards
- Rubber gloves
- Respirator / Supplied Air System / Headsock
- Do not take internally; wear rubber or leather boots
- Do not use near high heat or open flame
- Keep out of reach of children

## PREPARATION AND INSTALLATION

Please review the Material Processing & Handling Information for preparation and application procedures. Metal substrates should have a 3-5 mil blast profile (SSPC SP 10), and may be primed with a suitable primer, consult **Renegard** for recommendations. Technical Services, Sales, and Customer Support: 888-492-3339

## WARRANTY

Renegard, LLC will repair or replace product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.