



PROSOCO®

R-Guard®

AIR & WATER BARRIER

# SureSpan Adhesive

R-Guard® SureSpan Adhesive is designed to adhere and seal SureSpan EX®, as part of a building-wide R-Guard® air barrier system or to complement conventional waterproofing or air barrier components.

R-Guard® SureSpan Adhesive is a gun-grade adhesive that combines the best of silicone and polyurethane properties. This single-component, Silyl-Terminated-Polymer (STP) is easy to gun, spread and tool.

Suitable for all climates, SureSpan Adhesive bonds directly to damp or dry surfaces and cures under a variety of weather conditions.

## TYPICAL TECHNICAL DATA

FORM	viscous paste, mild odor gray color
SPECIFIC GRAVITY	1.48–1.58
WT/GAL	12.7 lbs
TOTAL SOLIDS	99%
VOC CONTENT	30 g/L maximum
SHELF LIFE	1 year in tightly sealed, unopened container

## Cured Properties

Hardness, Shore A	40–50
Tensile Strength	>150 psi
Elongation at Break*	>200% (ASTM D 412)
Corrosive Properties	Non-corrosive

## ADVANTAGES

- Silane functional polymer provides superior long-term adhesion.
- Bonds to most common building materials without priming.
- Single component saves time – no mixing.
- Bonds and cures in wet weather and on damp substrates. Tolerates rain immediately after application.

- May be fully exposed to UV and weather for up to 6 months. If longer, contact for inspection.
- Compatible with most sealants and waterproofing or air barrier components.
- Solvent free. Isocyanate free. Phthalate free.
- No shrinkage. No staining. No yellowing.
- Breathable – allows damp surfaces to dry.
- Will not support mold growth.
- Illustration depicting the use of PROSOCO R-Guard® products are available at [prosoco.com](http://prosoco.com) by downloading the R-Guard® Installation Guidelines.

## Limitations

- Not for use as a liquid flashing membrane. Use R-Guard® FastFlash®.
- Not for use in place of appropriate through-wall flashing. See R-Guard® SS ThruWall product literature.
- Not for use installing R-Guard® SS ThruWall.
- Not for use below grade or in locations which are continuously immersed in water.
- Not for use onto asphalt or under specific pressure sensitive adhesive.
- May have slight incompatibility with some asphaltic materials or butyl adhesives. Always test first.

## REGULATORY COMPLIANCE

### VOC Compliance

R-Guard® SureSpan Adhesive is compliant with the US Environmental Protection Agency's AIM VOC regulations. Visit [www.prosoco.com/voccompliance](http://www.prosoco.com/voccompliance) to confirm compliance with individual district or state jurisdictions.

## SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job-site controls during application and handling.

**24-Hour Emergency Information:**  
**INFOTRAC at 800-535-5053**

# Product Data Sheet

## R-Guard SureSpan Adhesive

### PREPARATION

To ensure best results, apply to clean surfaces free of contaminants. Chemical residues, surface oxidation, surface coatings or films may adversely affect adhesion. Pressure-treated wood or fire-retardant wood and other contaminated surfaces should be cleaned with an Isopropyl Alcohol wipe and allowed to flash-off before application of R-Guard products.

Concrete must be in place 3-7 days and free of any curing compounds or form release agents before permeable R-Guard products are applied. Mortar joints in CMU construction must have a minimum 3-day cure before being treated with R-Guard products.

Protect people, vehicles, property, plants and all other surfaces not intended to receive R-Guard SureSpan Adhesive.

Remove and replace damaged sheathing.

In rough openings, and where appropriate, prepare all raw gypsum board edges with R-Guard PorousPrep. Apply to raw gypsum board edges in a thin, uniform coat according to published application instructions. Do not over apply. Allow to dry tack-free before application of R-Guard SureSpan Adhesive or other products.

**For Cast-In-Place Concrete Applications**, the concrete designated for application must be clean, smooth and free of curing compounds and form release agents. Repair bug holes, honey combing and other imperfections using a suitable cementitious mortar. Remove concrete splashes, over pours, grout or slurry rundown using appropriate mechanical means. After application of the primary air barrier, treat visible pinholes or breaks in the film with additional primary air and water barrier coating or FastFlash®.

Roofing systems must be capped and sealed, or top of walls protected from water intrusion both before and after air barrier system installation. Water intrusion may interfere with bonding of air barrier waterproofing materials and /or detrimentally impact the performance of such materials.

### Surface & Air Temperatures

Substrate and temperature conditions between 32°F (0°C) and 110°F (43°C) are required for proper curing and drying of material to take place.

**Hot Weather Conditions/Precautions:** When air or surface temperatures exceed 95°F (35°C), apply product to the shady side of structure before daytime air and surface temperatures reach their

peak. Hot surfaces may be cooled with a mist of fresh water. Keep containers closed and out of direct sunlight when not in use. Do not apply when substrate temperature exceeds 110°F (43°C)

**Cold Weather Conditions/Precautions:** Product may be applied to frost-free substrates at temperatures below 32°F (0°C). Product will not begin to cure until temperatures reach 32°F (0°C) and remain above freezing. Keeping material stored in a heated environment prior to use and misting applied material with warm, fresh water will help in these conditions.

**Low Humidity Conditions:** The process of curing may take longer when lower humidity levels occur. A light misting of fresh water over the treated surface will accelerate curing if necessary.

Though R-Guard SureSpan Adhesive may be applied to damp surfaces and tolerates rain immediately after application, do not apply to surfaces with standing water or frost. Contact PROSOCO if conditions are questionable. As with any coating, application to substrates with high moisture content may lead to blistering of the material.

### Equipment

Apply using a professional caulking gun. Use a DRY joint knife, trowel or spatula to tool and spread the product. Do not use soapy water when tooling or spreading.

### Storage & Handling

Store in a cool, dry place. Keep container tightly closed when not dispensing. Do not open container until preparation work has been completed. Do not alter or mix with other chemicals. When stored at or below 80°F (27°C) R-Guard SureSpan Adhesive has a shelf life of 12 months after the date of manufacture. This shelf life assumes upright storage of factory-sealed containers. Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

### APPLICATION

Read “Preparation” and the Safety Data Sheet before use.

### Dilution & Mixing

Apply as packaged. Do not dilute or alter or use for applications other than specified. No mixing required.



# Product Data Sheet

## R-Guard SureSpan Adhesive

### Typical Coverage Rates

Coverage varies based on surface texture and irregularities. R-Guard SureSpan Adhesive is sold in 20-oz sausages.

### Application Instructions

For best results, spread and tool SureSpan Adhesive while still wet, within 2–3 minutes of gun application.

### Adhering SureSpan EX®

*Refer to the R-Guard SureSpan EX® Product Data Sheet for complete instructions.*

Warranty certificates are issued for SureSpan EX® only when R-Guard SureSpan Adhesive is used to bond all of the SureSpan EX® used.

1. Apply a bead of SureSpan Adhesive in a straight line near the outside edges of the area to be covered by SureSpan EX®. If installed over a protrusion, such as a fastener, apply a small amount of SureSpan Adhesive on the protrusion to eliminate chaffing during movement. The beads should be approximately 1/8 to 1/4 inch in diameter, depending on the uniformity of the substrate. Allow enough space for the SureSpan Adhesive to squeeze out to the edge of the SureSpan EX® and then stop. Nonporous surfaces such as glass or aluminum require less sealant; porous substrates such as brick or stone require more.
2. Unroll the appropriate length of SureSpan EX® and place it over the joint to be sealed. Within 2–3 minutes, embed SureSpan EX® into the still-wet SureSpan Adhesive. Use a wooden roller or flat piece of wood to press the extrusion firmly into place and ensure full and continuous contact between the SureSpan EX®, SureSpan Adhesive and the substrate.
3. Clean or tool any excess SureSpan Adhesive from the edges of the extrusion and substrate. Trim ends and terminate with a bead of SureSpan Adhesive. Always apply horizontal joints before vertical joints. At intersections simply overlap the vertical SureSpan EX® over the horizontal and ensure a proper seal by applying sufficient SureSpan Adhesive.

### Curing and Drying

At 70°F (21°C) and 50% relative humidity, product skins within 60 minutes, is transfer free within 4 hours and fully cures in 7 days. Paintable with most paints after 24 hours.

R-Guard SureSpan Adhesive is moisture curing. Low temperatures and low relative humidity slow

dry time. High temperatures and high relative humidity accelerate dry time.

### Cleanup

Clean tools and equipment with mineral spirits or similar solvent immediately after use. Follow all safety precautions. Remove cured SureSpan Adhesive mechanically using a sharp-edged tool.

### WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.** The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

### CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care – technical support. Factory-trained representatives are established in principal cities throughout the continental United States. Field visits by PROSOCO personnel are for the purpose of making technical recommendations only. **PROSOCO is not responsible for providing job-site supervision or quality control.** Proper application is the responsibility of the applicator. Call Customer Care at 800-255-4255, or visit our website at prosoco.com, for the name of the PROSOCO representative in your area.