



# Adhesive

PROSOCO® Adhesive is a gun-grade adhesive for use in a variety of masonry, hardscape and other construction applications, both interior and exterior. PROSOCO® Adhesive is compatible for use with common construction materials, including concrete, concrete block, brick, natural stone, tile, cement board, ICF, drywall, glass, ceramics, porcelain, metal, PVC, acrylic plexiglass, rubber, wood, treated lumber, plywood, OSB and more.

Ideal for use in masonry and hardscape applications including garden walls, capstones, planters, columns, etc. PROSOCO® Adhesive combines the best of silicone and polyurethane properties. The single-component, Silyl-Terminated-Polymer (STP) is easy to gun, spread and tool.

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

## TYPICAL TECHNICAL DATA

<b>FORM</b>	viscous paste, low odor, gray color
<b>SPECIFIC GRAVITY</b>	1.48–1.58
<b>WT/GAL</b>	12.7 lbs
<b>TOTAL SOLIDS</b>	99%
<b>VOC CONTENT</b>	<30 g/L USEPA/SCAQMD <1% CARB
<b>SHELF LIFE</b>	1 year in tightly sealed, unopened container

## Cured Properties

<b>Hardness, Shore A</b>	40–50
<b>Tensile Strength</b>	>150 psi
<b>Elongation at Break</b>	>200% (ASTM D 412)
<b>Corrosive Properties</b>	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.**
- **Solvent free. Isocyanate free. Phthalate free.**
- **No shrinkage.**
- **Breathable – allows damp surfaces to dry.**
- **Will not support mold growth.**
- **Repositionable for up to 10 minutes depending upon temperature and humidity.**

## Limitations

- Not for use 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.
- Not designed for continuous UV exposure.
- For vertical applications use proper clamping/bracing until cured. Always test to ensure desired results.

**NOTE:** when creating structures or walls greater than 2–3 feet in height, consult block or substrate manufacturer for specific construction instructions.

## REGULATORY COMPLIANCE

### VOC Compliance

PROSOCO® 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.

# Product Data Sheet PROSOCO® Adhesive

## 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**

## 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. Always test.

As needed, protect people, vehicles, property, plants and all other surfaces not intended to receive PROSOCO® Adhesive.

Before application of adhesive, dry-fit materials for proper fit. For optimal adhesion, polished surfaces should be roughened slightly.

### 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. Adhesive may be applied below 32°F (0°C), if necessary. See “Cold Weather Conditions” information below.

**Hot Weather Conditions/Precautions:** When air or surface temperatures exceed 95°F (35°C), apply product in the shade 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.

**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. Clamp or brace materials as needed until temperatures achieve 32°F (0°C) and above. 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.

PROSOCO® Adhesive may be applied to wet surfaces and tolerates rain immediately after application. Do not apply to surfaces with frost. Contact PROSOCO if conditions are questionable.

### Equipment

Apply using a professional caulking gun. Use a DRY joint knife, trowel or spatula to tool and spread the product, where necessary. 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) PROSOCO® 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.

### Typical Coverage Rates

Coverage varies based on surface texture and irregularities. PROSOCO® Adhesive is sold in 20-oz sausages, and 10-oz and 29-oz cartridges.

BEAD SIZE	Approximate Linear Feet		
	20 oz Sausage	10.3 oz Cartridge	29 oz Cartridge
1/4 x 1/4 inches	50	25	72
1/4 x 1/2 inches	24	12	35

### Application Instructions

1. Apply bead(s) of PROSOCO® Adhesive to the substrate being bonded using enough product appropriate for the application. The beads should be approximately 1/4 inch in diameter. On large areas, apply beads in parallel approximately 2–3 inches apart to allow for proper adhesion of the full surface. Nonporous surfaces such as glass or aluminum require less sealant; porous substrates such as brick or stone require more.

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2. Immediately join the components together to bond. Components may be repositioned for up to 10 minutes depending on temperature and humidity.
3. Clean or tool any excess PROSOCO® Adhesive from the edges of the components.

When working on elevations, allow the bottom leveling row of material to cure before installing additional materials above. This allows the bottom row to provide adequate support for the rows above.

### 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.

PROSOCO® 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 PROSOCO® 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. Call Customer Care at 800-255-4255, or visit our website at [prosoco.com](http://prosoco.com), for the name of the PROSOCO representative in your area.

