



PROSOCO®

R•Guard®

AIR & WATER BARRIER

Representative product color



Targeted Interior Air Seal

PROSOCO's Targeted Interior Air Seal (TIAS) seals critical building envelope connections quickly from the inside of a structure to achieve the same performance and continuity of air control expected from an exterior air-sealing application. Applied from a variety of equipment types, TIAS is an elastomeric, water-based air sealant that is installed after the exterior sheathing and before interior drywall or paneling. Designed for negative-side air control strategies, TIAS works on new and existing construction.

Install TIAS around all through-wall penetrations and along joints and seams that separate conditioned from non-conditioned spaces where air leakage is most likely to occur, including joints and seams in ceiling, walls or floor planes. TIAS is also designed for seams that separate:

- ✓ the midsill from the concrete slab
- ✓ the bottom plate from the midsill
- ✓ the bottom plate from the sheathed floor assembly
- ✓ the top plate from the second top plate

Properly installed, TIAS penetrates deeply and seals gaps in construction that can compromise building performance and durability. TIAS maintains its air-sealing function long after interior spaces are conditioned and occupied.

ADVANTAGES

- Water-based formula for easy water cleanup
- Eliminates the need to remove exterior facades for air sealing applications
- Fast to apply – saves time and labor
- Bright yellow color stands out in low light
- Low-odor. No off-gassing
- Bonds to most common building materials without priming
- Single component saves time – no mixing
- Compatible with most sealants and waterproofing or air barrier components
- Solvent-free. Isocyanate-free. Phthalate-free.

- **Breathable** – allows damp surfaces to dry
- **Tooling** is only required at the top plate for a flat drywall installation surface.

Limitations

- Do not apply Targeted Interior Air Seal to contaminated or wet surfaces.
- Keep product from freezing.
- Not for application at surface or air temperatures below 40°F (5°C) or above 100°F (38°C)
- Not for use as a liquid flashing membrane. Use R-Guard FastFlash instead
- Not for use in place of appropriate through-wall flashing
- Not for use below-grade or in locations which are continuously immersed in water

TYPICAL TECHNICAL DATA

FORM	yellow viscous paste
SPECIFIC GRAVITY	0.72–0.84
pH	8–10
WT/GAL	6–7 lbs
TOTAL SOLIDS	67%
VOC CONTENT	25 g/L maximum
FLASH POINT	>212° F (>100° C)
FREEZE POINT	32° F (0° C)
SHELF LIFE	2 years in tightly sealed, unopened container

REGULATORY COMPLIANCE

VOC Compliance

R-Guard Targeted Interior Air Seal is compliant with the US Environmental Protection Agency's AIM VOC regulations.

Visit www.prosoco.com/voccompliance to confirm compliance with individual district or state regulations.

Product Data Sheet

R-Guard Targeted Interior Air Seal

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

Best practice is to protect people, vehicles, property, plants and all other surfaces not intended to receive Targeted Interior Air Seal.

Concrete must be in place 3–7 days and free of any curing compounds or form release agents before product is applied.

To ensure best results, apply to clean and dry surfaces free of contaminants. Chemical residues, surface oxidation, surface coatings or films may adversely affect adhesion.

Remove and replace damaged sheathing.

Use TIAS in gaps and seams up to 3/8 inch.

Surface and Air Temperatures

Substrate and temperature conditions should be 40–100°F (4–38°C). Air and substrate temperatures must be at least 40°F (4°C) and rising and remain so for a minimum of 24 hours. Do not apply at temperatures below 40°F (4°C). Wind and high temperatures will accelerate drying

Hot Weather Conditions/Precautions: If air or surface temperatures exceed 95°F (35°C), apply to shaded surfaces and before daytime air and surface temperatures reach their peak. Keep containers closed and out of direct sunlight when not in use. Cover open pails with plastic to prevent them from skinning.

Cold Weather Conditions/Precautions: Product may be applied to frost-free substrates at surface and air temperatures of 40°F (4°C). Keeping material stored in a heated environment prior to use will help in these conditions.

Equipment

Always test equipment setup to ensure desired results prior to beginning.

Bulk Caulk Gun

Apply using a 20-30 oz bulk caulking gun. A follow-plate allows for easy bulk gun loading, or a

loading sleeve may be used to keep the threads of the gun clean. Alternatively, the bulk materials may be applied by hand trowel.

Spray Application

The Titan Impact 840 or Graco Ultra Max 795 are appropriate for *spray application* of TIAS. Alternatively, use equivalent airless spray equipment with the following specifications:

- Minimum 1–2 gallons output immersion feed
- Minimum hose diameter of 3/8-inch
- Tip size of 0.013–0.019 (a 315 is a good starting point)
- Minimum pressure requirement to spray: 2,000–3000 for caulk bead or 3000–4000 psi for wider spray
- Remove all filters in sprayer & gun before application

Sprayer Dispensing

The Graco 395 or Titan equivalent may be used to dispense TIAS when equipped with a caulk tip (See Figure 1, page 4). Remove all filters in sprayer and gun before application.

A caulk tip on medium sized sprayers like the Graco 395 make quick work of air-sealing projects. Even small backpack or belt-and-holster style sprayers, such as the Graco Ultra Quick Shot, can be used for smaller volumes when equipped with a caulk tip.

Always test equipment setup to ensure desired results prior to beginning.

Storage & Handling

Keep from freezing. Store in original, undamaged packaging in a clean, cool, dry place with temperatures between 40–100°F (5–38°C). Keep container tightly closed when not dispensing. Do not open the container until preparation work has been completed. Do not alter or mix with other chemicals. 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

Apply as packaged. Do not dilute or alter or use for applications other than specified.

Product Data Sheet

R-Guard Targeted Interior Air Seal

Typical Coverage Rates

- Approximately 480 lineal feet per gallon, based upon a 1/8- to 1/4-inch gap.

TIAS is sold in 2-gallon and 5-gallon pails.

Application Instructions

For spray application, place the wings of the tip guard directly on or extremely close to the substrate being treated with the nozzle opening pointing directly into the gap or seam to be filled. The wings of the tip guard should be parallel to the direction you will be moving. Tooling is only required at the top plate for a flat drywall installation surface.

For spray application using a caulk tip or when applying with a bulk caulk gun, hold the caulking tip at a constant angle. Dispense and move steadily along the gap or joint. Tooling is only required at the top plate for a flat drywall installation surface. Apply TIAS to all joints and seams in the framing.

Apply TIAS to seams in the top plates and at the junction between the bottom plate and the subfloor or slab.

Apply TIAS to all other seams and gaps.

In attic and crawl space application, apply TIAS to all ceiling penetrations, drywall joints, junctions of drywall to the top plates, rim joints, sill plates and any other gaps.

Dry Time

Curing and drying times vary with temperature, humidity and surface conditions. Surface temperatures should remain at least 40° F (4° C) and rising after application and until curing is complete. At 70°F (21°C) and 50% relative humidity, Targeted Interior Air Seal dries to the touch in 2–4 hours.

Do not begin spray applications of subsequent coatings until Targeted Interior Air Seal is dry to the touch.

Cleanup

Clean tools, equipment and sprayer with water immediately after use. Run lines with clean water from a pail until the water runs clean. Mechanically remove dried material.

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.

Product Data Sheet

R-Guard Targeted Interior Air Seal

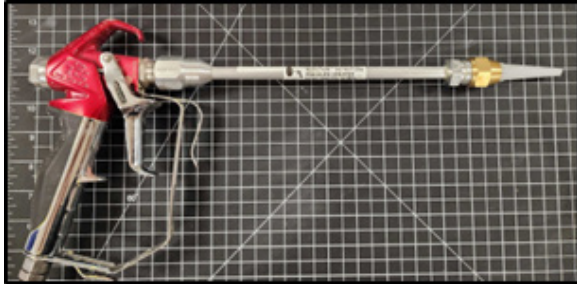


FIGURE 1: Spray gun equipped with extension wand, 5/8" flare brass rod nut, and caulk nozzle.



Spray application with caulk nozzle.



Spray application with tip guard.



Tooling is only required at the top plate for a flat drywall installation surface.



Works with bulk caulk guns for easy application.

