



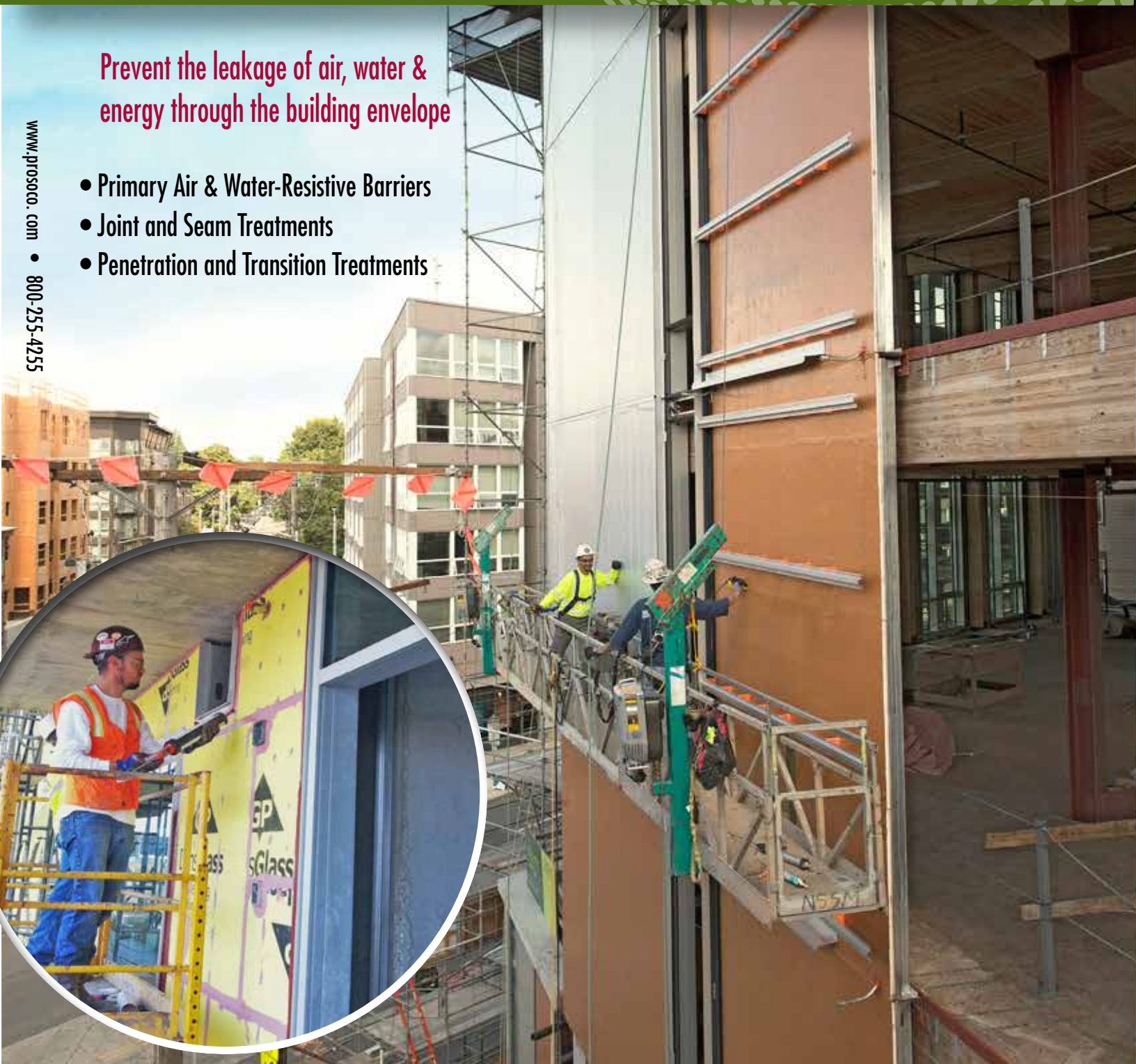
P R O S O C O
R-GUARD®

*Air & Water Barrier Systems for sheathing
and CMU back-up walls*

**Prevent the leakage of air, water &
energy through the building envelope**

- Primary Air & Water-Resistive Barriers
- Joint and Seam Treatments
- Penetration and Transition Treatments

www.prosoco.com • 800-255-4255



PROSOCO R-GUARD® The Benefits

- Increased thermal efficiency.
- Energy savings.
- Reduced risk of moisture condensation inside walls.
- Increased comfort for occupants.
- Highly effective barrier to liquid water.
- Superior durability and weather-resistance during construction delays compared to alternatives.

PROSOCO R-GUARD® air & water barriers don't rip, tear, or detach like sheet wraps or peel and stick membranes. PROSOCO R-GUARD® products stay effective for the life of the building.



Bullitt Center - Seattle, Washington

Billed as "the world's greenest office building," Seattle's Bullitt Center has a fluid-applied PROSOCO R-GUARD® FastFlash® air and waterproof barrier installed to help it meet the rigorous Net Zero energy efficiency requirements of the Living Building Challenge 2.0.



PROJECTS

Karuna Passive House Newburg, Oregon

Fast, easy installation and proven ability to stop costly air and water leaks through building envelopes are why the builders chose a fluid-applied PROSOCO R-GUARD® FastFlash® air and waterproof barrier for this energy-efficient passive house.



These projects saved construction labor time and are saving energy costs now with PROSOCO R-GUARD® Air & Water Barriers

Aviation Attack Bldg., Fort Riley, KS
Blue Plate Condominiums, New Orleans, LA
Blue Valley Schools Admin Bldg., Overland Park, KS
Cheshire Restaurant, St. Louis, MO
Christopher House, Chicago, IL
Dunes Development, Harbert, MI

Duteau Chevrolet, Lincoln, NE
Federal Reserve Bank, Kansas City, MO
Hamilton County Hospital, Webster City, IA
Hi Line Residential Apartments, Dallas, TX
J.M. Smucker Co., Orrville, OH
Municipal Building, Mentor, OR

NASA Building, Huntsville, AL
Nat'l Institute of Standards & Testing, Boulder, CO
Russell Co. Judicial Center, Phoenix, AZ
St. Louis Art Museum, St. Louis, MO
U.S. Federal Bldg. & Courthouse, Tuscaloosa, AL
AND MANY MORE, COAST TO COAST.



P R O S O C O
R-GUARD®

PRODUCTS



liquid-applied flashing

- Easy gun-and-spread installation cuts labor cost.
- Seals and waterproofs rough openings.
- Fast-drying for same-day installation of windows, doors & other building envelope components.
- Adheres, transitions and counter-flashes through-wall sheet flashing.
- Great for any climate.
- Bonds to damp or dry surfaces and cures under weather conditions wet or dry.
- Simplifies watertight details in new or existing construction. Use in building-wide R-GUARD Air & Water Barrier system, or for window retrofits.



air and weather barrier sealant for windows and doors

- Interior air sealant creates a long-lasting, weather-tight seal.
- Stops moist outside air from entering, and conditioned indoor air from escaping around windows and doors.
- Diverts wind-driven rain and condensed water to the flashing membrane and the water barrier before they enter living spaces.



fiber-reinforced fill coat & seam treatment

- Easy gun-and-spread installation cuts labor cost.
- Seals openings and creates transitions where flexible reinforcement is needed to bridge gaps.
- Provides continuous support for fluid-applied flashing membranes, waterproofing and air barrier components.
- Suitable for all climates.
- Bonds directly to damp or dry surfaces and cures under a variety of weather conditions.



water-based primer for raw gypsum board edges

- Ensures Joint & Seam Filler application to cut edges of gypsum wall board is fast and efficient.
- Glue-like viscosity makes application easy; reduces potential for spills and rundown.
- Water cleanup, no solvent odor, VOC-compliant.
- Treated surfaces "breathe" — does not trap moisture.



primary air & waterproof barrier

- Fast, easy roller application cuts construction costs.
- Applies in good or bad weather to dry or damp substrates.
- Eliminates many weather-related construction delays and accelerates "drying in" of new buildings.
- Is immediately waterproof and works with most surfaces, paints, sealants and self-adhered waterproofing or air barrier components.
- Tested to keep water out of walls in up to Category 5 hurricane conditions — even before the cladding goes up.

Other R-GUARD Primary Air Barriers

R-GUARD Spray Wrap — spray-applied, vapor-permeable air & water-resistive barrier

R-GUARD MVP (Maximum Vapor Permeability) — spray-applied ultra-vapor-permeable water-resistive air barrier

R-GUARD VB — spray-applied vapor barrier

PROCEDURES

Simplicity is key.

Simple installation

PROSOCO R-GUARD® Air & Water Barrier System



1. Gun and spread Joint & Seam Filler to seal seams between panels, transitions, and penetrations. **EASY!**



2. Flash the rough openings with gun-and-spread FastFlash®. Spread right over rough-opening seams filled with Joint & Seam Filler. **EASY!**



3. Apply Cat 5® Air & Waterproof Barrier, or other R-GUARD primary air and water-resistive barrier. **EASY!**

That's it! All those time-consuming procedures like folding, lapping, stapling, taping — forget them.

FastFlash® window retrofits

It's a fact. Windows leak.

When that happens, water gets into the rough opening. If there is the slightest breach in the opening's waterproofing membrane, water gets into the walls. Mold and lawsuits often follow.

All it takes is the tiny rip in the membrane that can occur when the window is fitted into the rough opening. Or the adhesive that dries out after five years and lets the peel and stick membrane delaminate.

Or maybe just a tiny error in lapping, cutting and folding by a tired installer who already did 30 windows that day.

Rough openings sealed with Joint & Seam Filler and FastFlash® will not let water into walls via the rough opening. Ever. For the life of the building.

FastFlash® won't rip, tear or delaminate. There's no adhesive to dry out and de-bond. There's no complex folding, cutting and lapping.

Just easy gun and spread installation, even if the surface is wet. And if the windows leak, FastFlash® sends the water to the secondary drainage plane — not into the walls.



Whether the window leaks or not, water will not get into the walls through this FastFlash®-sealed rough opening. Ever.

Why **PROSOCO R-GUARD®**

Air & Water-Resistive Barriers

The International Building Code requires an air and water-resistive barrier to serve as a secondary drainage plane behind exterior claddings.

You can get that with building wraps, but it takes extraordinary effort to make them function as air barriers too.

Durable

If building wraps are torn as the cladding goes up, they don't function as an air barrier or secondary drainage plane – and it's hard to keep them from tearing.

PROSOCO R-GUARD® functions both as a seamless water-resistive barrier and an air barrier – no tearing.

Vapor permeable

Buildings need to breathe. Even in well designed and well-built buildings, some moisture is bound to collect in wall assemblies during construction or occupation. For this reason, barriers designed to prevent the unwanted movement of rain water and moist air should also allow moisture that does accumulate within the walls to dry.

Airtight

What a building does not need is air leaks through sheathing seams and concrete block pores – air leaks that carry large amounts of water vapor through the building envelope, looking for a cool spot to condense.

Weatherproof up to 6 months

Many fluid-applied barrier systems cannot be exposed to sunlight's ultraviolet rays during construction for more than 7 – 30 days. R-GUARD has a 6-month construction window and will stand up to the UV exposure, wind, and rain that are inevitable on construction projects.



Torn building wraps don't function as air barriers OR secondary drainage planes. And it's hard to keep them from tearing.

PROSOCO R-GUARD®

Profile

Cost:	Lowest-priced system
Who can install:	Masons, Waterproofers, Painters, Framers, Drywallers
Replaces:	Building wraps, dampproofing, rubberized asphalt sheets, fluid-applied asphalt
Training:	Free half-day, applicator training
Substrates:	Gypsum board, CMU, OSB, Plywood
Equipment:	Conventional airless paint sprayer*
Clean up:	Water **
VOC:	<100 g/l
Spec base:	Institutional, Commercial, Multi-family, Residential
Sq Ft treated:	more than 100 million and growing!
Claims:	zero

*PROSOCO R-GUARD® Cat 5 is roller-applied.

**Cleanup PROSOCO R-GUARD® Cat 5 with mineral spirits or similar solvent.

How water gets in walls and energy dollars get out

Cooking, bathing and laundry all put massive amounts of moisture into indoor air. Especially in businesses like hotels, hospitals and restaurants that use a lot of water.

Wind forces rain into leaky windows, and gaps between the window and the rough opening. If the rough opening isn't 100 percent sealed, water will rot wood frames and penetrate walls, creating conditions for mold, decay and other problems.

The air exits through exterior penetrations such as weepholes, or this opening for an electrical conduit. It's air someone paid good money to heat or cool. The waste is the same as if a window or door was left ajar.

That air-carried water vapor goes straight into walls, through plumbing, electrical and other penetrations. It's driven by differences in interior vs. exterior air pressure, temperature and relative humidity.

In walls that don't breathe, trapped water promotes deterioration and growth of toxic mold.

On its journey through a wall assembly, moist air condenses on cool surfaces, wetting the inside of the wall.

In warm weather, moist air enters from the outside and condenses as liquid water on cool surfaces within the wall.



**BEI - PROSOCO
Partnership**

PROSOCO
SINCE 1939

BEI, LLC Clackamas, Ore., is known for rigorous test protocols for building envelopes in real-world conditions, and products and procedures that perform in extreme coastal weather.

PROSOCO, Inc., Lawrence, Kan., manufactures products that clean, protect and maintain concrete, brick and stone architecture. Together, the companies have created a superior line of air- and water-resistive barrier products backed up by the industry's best training and technical customer care.

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