

**PROSOCO R-GUARD® GypPrime**  
*Water-based primer for raw gypsum board edges*

GypPrime seals the cut edges of gypsum wall boards exposed in rough openings for windows and doors. The sealed edge is perfect for easy application of R-GUARD® Joint & Seam Filler.

**PROSOCO R-GUARD® Joint & Seam Filler**  
*Fiber reinforced fill coat and seam treatment*

Easy application gun-and-spread Joint & Seam Filler speeds preparation of sheathing and rough openings by eliminating the need for joint reinforcing tapes. Fills joints and seams to 1/2 inch (13 mm).

**PROSOCO R-GUARD® FastFlash®**  
*Liquid-applied flashing membrane*

Instantly waterproof, this gun-grade liquid flashing membrane for rough openings allows same-day installation of windows, doors and other wall-assembly, waterproofing or air barrier components.

**PROSOCO R-GUARD® Cat 5®**  
*EXTREME weather air and water-resistive barrier*

This primary air and waterproof barrier stops water and air penetration of building envelopes in mild conditions to the drenching rains and 155 mph winds of a Category 5 hurricane.

**PROSOCO R-GUARD® AirDam®**  
*Air and weather barrier sealant for windows and doors*

Interior air sealant AirDam keeps moist outside air out and conditioned indoor air from leaking around window and door assemblies. Long lasting AirDam® is easily applied with standard caulking tools.

**PROSOCO R-GUARD® Spray Wrap**  
*Fluid-applied air & water-resistive barrier*

Spray Wrap stops air and water leaks in cavity wall, masonry veneer, stucco, EIFS and most other wall assemblies. Spray Wrap minimizes condensation potential and lets accumulated moisture dry while reducing energy costs and risk of mold.

**PROSOCO R-GUARD® MVP**  
*Maximum vapor permeability, fluid-applied air & water-resistive barrier*

MVP provides Maximum Vapor Permeability for a spray-grade air/water-resistive barrier while reducing condensation and energy loss from air leaks through the building envelope.

**PROSOCO R-GUARD® VB**  
*fluid-applied air & water-resistive barrier and water vapor barrier*

Spray-grade VB is both vapor barrier and an air/water resistive barrier. It's ideal for special construct types needing protection from the passage of air, water and water vapor.

**PROSOCO R-GUARD® EMERGENCY WaterStop**  
*Waterproof sealant and adhesive for emergency repairs*

EMERGENCY WaterStop seals and bonds most construction materials wet or dry – even submerged. Use for drying-in buildings damaged by active water leaks, and leak-repair jobs everywhere.

## Transitions & Continuity

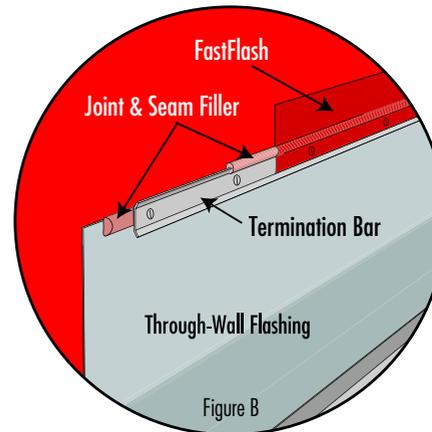
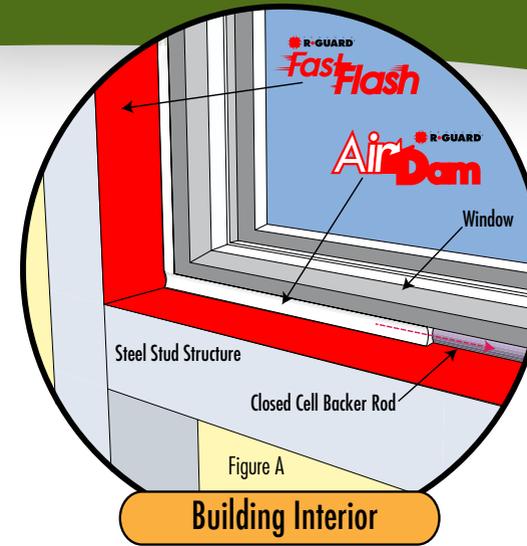
After preparing all joints, seams and rough openings, and installing the primary air & water-resistive barrier, install all through-wall mechanicals and other wall components that must be incorporated into the air barrier assembly. Create transitions between dissimilar building materials and wall components ensuring continuity of the water-drainage and air-barrier plane.

## Air & Energy Seal

Installed over backer rod, a continuous bead of **R-GUARD Air Dam®** joins the interior surface of rough openings – prepared with **R-GUARD FastFlash®** – with the interior edge of window and door assemblies. This interior sealant completes the continuous air-barrier assembly. AirDam ensures any water that collects within the window or door assembly drains away from the building interior. (See Figure A)

## Flashing Transitions

Use **R-GUARD Joint & Seam Filler** to fill up to 1/2" gaps between surface-mounted sheet flashing or flashing membranes, and through-wall mechanical penetrations. **R-GUARD FastFlash®** creates a monolithic "cap flash" that ensures positive drainage over the installed air & water resistive barrier. (See Figure B)



## Emergency Repairs

Wet, dry or under water, **R-GUARD EMERGENCY WaterStop** repairs active water leaks at doors, windows, skylights, gutters, flashing and other water-handling details. Gun-and-spread EMERGENCY WaterStop is immediately waterproof. It's compatible with all other PROSOCO R-GUARD® products and most paints and sealers.



R-GUARD EMERGENCY WaterStop being applied under water

# Primary Air Barriers Joint and Seam Treatment Penetration and Transition Treatments



## PROSOCO R-GUARD® Installation Guidelines

FREE



# Whether repairing and waterproofing existing rough openings, or installing a building-wide air/water barrier, creating a continuous protective barrier requires three simple steps.



## Fill, Bridge and Flash

Joints, seams and cracks in the structural wall let water pass through and collect in the building envelope. There it degrades wall components and creates an environment for mold. Those same openings let air leak in and out of the building, raising energy costs and overworking HVAC systems.

**Step 1.** Within the rough opening, treat any raw, cut edges of gypsum sheathing with **R-GUARD GypPrime**. This fast-drying solution consolidates and seals the cut gypsum edge to prevent chalking. Makes application of Joint & Seam Filler fast and easy. (See figure 1.)

**Step 2.** Gun and spread **R-GUARD Joint & Seam Filler** into all inside corners, cracks, open joints and seams within the rough opening and over the sheathed surfaces. Joint & Seam Filler bonds directly to wet or dry surfaces. You don't have to wait for rain-soaked surfaces to dry - just remove any standing water and apply. Once treated, vapor permeable Joint & Seam Filler lets underlying moisture dry out. (See figure 2.)

**Step 3.** Gun and spread **R-GUARD FastFlash®** over the inside and around the outside of all rough openings to create a continuous, monolithic flashing membrane. FastFlash® should extend 4 – 6 inches onto the face of the structural wall. Once applied, FastFlash® is immediately waterproof and can withstand sun and storms for up to 6 months of construction delays with no loss in performance. (See figure 3.)

## NEXT

**New construction:** When FastFlash® has skinned over, go to Step 4: Primary Air & Water Barrier

**Window retrofits:** When FastFlash® has skinned over, go to Step 3: Transitions and Continuity

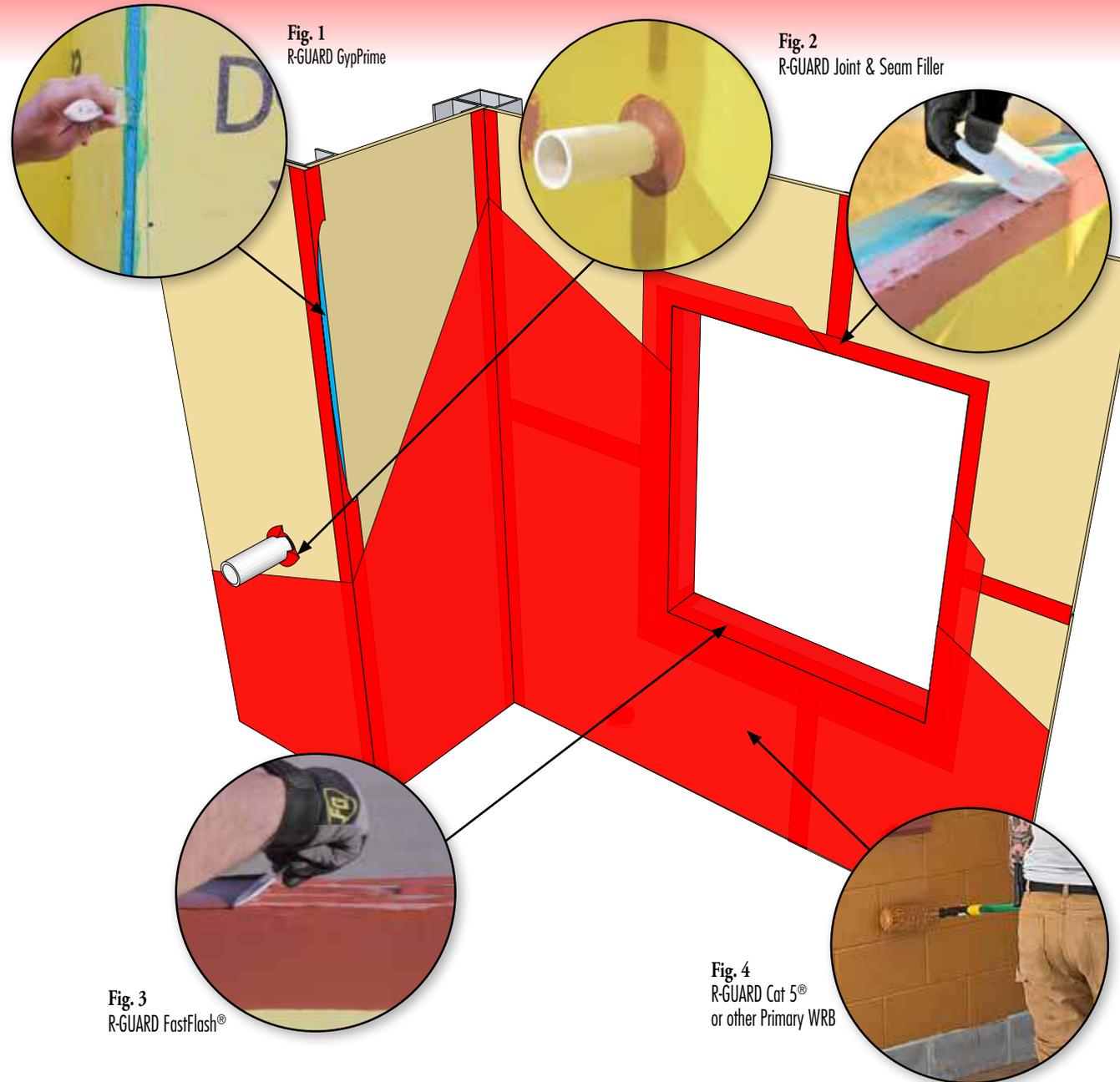


Fig. 1  
R-GUARD GypPrime

Fig. 2  
R-GUARD Joint & Seam Filler

Fig. 3  
R-GUARD FastFlash®

Fig. 4  
R-GUARD Cat 5®  
or other Primary WRB

## Primary Air & Water Barrier

The primary air & water barrier functions as the Water Resistive Barrier (WRB) specified by code. It also stops humid air from passing through the walls.

PROSOCO offers fluid-applied primary air and water barriers for every need. They're fast and easy to apply. They instantly conform and adhere to irregular surfaces without need for the cutting, fitting, shingling and overlapping needed for sheet membranes.

## Vapor Permeable

**R-GUARD Cat 5® for EXTREME weather** — Easily applied by roller to damp or dry surfaces, R-GUARD Cat 5® stops air and water leaks through the building envelope even in category 5 hurricane conditions — whether the cladding is up or not. This vapor-permeable membrane is immediately waterproof. You can apply it in adverse weather conditions. Cat 5® eliminates many weather-related construction delays and adds flexibility to construction schedules. (See figure 4.)

**R-GUARD MVP** — Provides the maximum vapor permeability for a spray-grade, fluid-applied air & water-resistive barrier. MVP minimizes potential for condensation and lets moisture in walls dry. Apply with brush, roller or conventional airless paint sprayers.

**R-GUARD Spray Wrap** — Stops air and liquid water passing through the building envelope, while letting moisture already in the walls evaporate out. Goes on fast and easy with brush, roller or conventional airless paint sprayers.

## Non-Vapor Permeable

**R-GUARD VB** — Functions as both air and vapor barrier. Apply with brush, roller or conventional airless paint sprayers.

## NEXT

**New construction:** When FastFlash® has skinned over, go to Transitions and Continuity.



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