



FastFlash®

liquid-applied flashing & detailing membrane

FastFlash is part of the family of PROSOCO R-Guard® products developed to prevent the movement of water and air through building envelopes. Utilize FastFlash® as a liquid flashing membrane in rough openings, to fill joints and seams, to counter flash waterproofing and air barrier components in new or existing wall assemblies, and to seal around penetrations or protect countersunk fasteners.

OVERVIEW

PROSOCO R-Guard® FastFlash® is a gun-grade waterproofing, adhesive and detailing compound that combines the best of silicone and polyurethane properties. This single-component, Silyl-Terminated-Poly-Ether (STPE) is easy to gun, spread and tool to produce a highly durable, seamless, elastomeric flashing membrane.

Allows same day installation of windows, doors and other wall assembly, waterproofing or air barrier components.

Use FastFlash® to adhere, transition and counter-flash through-wall sheet flashing.

Suitable for all climates, FastFlash® bonds directly to damp or dry surfaces and cures under a variety of weather conditions. It dramatically reduces surface preparation time by eliminating the need for reinforcing tapes at sheathing joints, inside and outside corners. It simplifies the process of producing watertight details in new or existing construction.

Use FastFlash® as part of a continuous, building-wide air barrier system, or to complement conventional waterproofing or air barrier components.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com.

ADVANTAGES

- Streamlines preparation by eliminating the need for joint reinforcing tapes.
- Solvent free. Isocyanate free. Complies with all VOC regulations.
- Silane functional polymer provides superior long term adhesion, crack bridging and weathering characteristics.
- Bonds to most common building materials without priming.
- Produces a durable, weather-tight seal.
- Will not tear or lose effectiveness when exposed to weather during construction.
- May be fully exposed to UV and weather for up to 12 months. If longer, contact for inspection.
- Single component formulation saves time and requires no mixing.
- Easy to gun and spread in all climates.
- Produces an opaque membrane when installed at the recommended 12–15 wet mils to simplify inspection and quality control.
- Bonds and cures in wet weather and on damp substrates.
- Compatible with most sealants and waterproofing or air barrier components.
- No shrinkage. No staining. No yellowing.
- Breathable – allows damp surface to dry.
- Will not support mold growth.
- Cured service temperatures: –75°F to 300°F (–59°C to 149°C).
- Illustration depicting the use of PROSOCO R-Guard® products are available at www.prosoco.com by downloading the R-Guard Installation Guidelines.

Limitations

- Not for use as a structural sealant.
- Not for use in place of appropriate through-wall flashing.
- Not for use below grade or in locations designed to be continuously immersed in water.

REGULATORY COMPLIANCE

VOC Compliance

PROSOCO R-Guard® FastFlash® is compliant with the following national, state and district VOC regulations:

- US Environmental Protection Agency
- California Air Resources Board SCM Districts
- South Coast Air Quality Management District
- Maricopa County, AZ
- Northeast Ozone Transport Commission

FastFlash®

TYPICAL TECHNICAL DATA

R-Guard FASTFLASH®	
FORM	brick red, gun-grade sealant
SPECIFIC GRAVITY	1.45 – 1.55
pH	Not applicable
WT/GAL	12.5 lbs/gal
TOTAL SOLIDS	99%
VOC CONTENT	30 g/L maximum
FLASH POINT	>200°F (>93°C)
FREEZE POINT	Not applicable
SHELF LIFE	1 year in unopened, factory-sealed container
CURED PROPERTIES	
Hardness, Shore A	35–45
Tensile Strength	>150 psi
Elongation at Break	>350%
Water Vapor Transmission	21 perms (ASTM E96)
Transfer Free Time	20–40 minutes
PERFORMANCE	
Water Penetration Static Pressure	No water penetration (ASTM E331)
Fastener Sealability	No water infiltration (ASTM D1970)
Surface Burning	Flame Spread: 15 (ASTM E84) Smoke Developed: 10 NFPA and ICC Class A Building Material

Please refer to the R-Guard FastFlash® Product Test Results document for a complete list of performance test results.

Illustrations depicting the use of PROSOCO R-Guard® products are available at www.prosoco.com by downloading the R-Guard Installation Guidelines.

PREPARATION

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

Protect people, vehicles, property, plants and all other surfaces not intended to receive FastFlash®.

Remove and replace damaged sheathing.

In rough openings, prime all raw gypsum board edges with R-Guard GypPrime.

Any gaps or joints greater than 1 inch should be structurally repaired or readied for an appropriate transition membrane.

Ensure positive drainage at all rough openings.

Surface and Air Temperatures

Surface and ambient temperatures should be 40°F (4°C) and rising and below 110°F (43°C) during application and drying. Wind and high temperatures will accelerate drying.

Hot Weather 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. 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: May be applied to frost-free substrates at temperatures below 32°F (0°C). Product will not start curing and drying until temperature rises to and remains above 32°F (0°C).

Low Humidity Conditions: Curing may take longer than 12 hours. Lightly misting treated surfaces with fresh water will accelerate curing. Uncured material may delay construction.

Though FastFlash® may be applied to damp surfaces and tolerates rain immediately after application, do not apply to surfaces with standing water or frost.

Equipment

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

ALWAYS TEST

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

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 FastFlash® 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

Before use, read "Preparation" and "Safety Information."

Dilution

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

Coverage Rates

Coverage varies based on surface texture and irregularities.

PROSOCO R-Guard® FastFlash® is sold in 29 oz tubes and 20 oz sausages.

Flashing Membrane Estimator	
FastFlash®	Estimated Coverage
12–15 mils	22–28 sq.ft. per 29 oz tube
	15–19 sq.ft. per 20 oz sausage

FastFlash®

Application Instructions

PREPARE

Prepare all surfaces as described above under "Preparation." Once preparation is complete, cut open tip of threaded fitting, install nozzle and cut nozzle to desired opening.

Filling Joints, Seams and Cracks

1. Apply a thick bead of FastFlash® to all sheathing joints, seams and cracks. Treat joints ranging from 1/4 to 1/2 inch with backer rod before applying FastFlash®. Alternatively, R-Guard Joint & Seam Filler may be used in place of backer rod. Joints ranging from 1/2 to 1 inch require backer rod and R-Guard Joint & Seam Filler. Joints greater than 1 inch must be structurally improved or addressed with an appropriate transition membrane. On plywood, spot wood knots, deep cracks or surface irregularities.
2. Use a DRY joint knife, trowel or spatula to tool and spread the product. Spread 1-inch beyond seam at each side to a thickness of 12–15 mils.
3. Allow to skin before installing other waterproofing or air barrier components.

Waterproofing Rough Openings

1. Apply a bead of product in each corner of the rough opening. Apply additional product in a zigzag pattern over the exterior framing inside the rough opening. Spread the wet product to create an opaque, monolithic flashing membrane.
2. Apply a thick bead of FastFlash® in a zigzag pattern to the exterior wall surrounding the rough opening. Spread the product to create an opaque, monolithic flashing membrane at 12–15 mils which surrounds the rough opening and extends 4 to 6 inches (100–152 mm) over the face of exterior wall. *NOTE:* When using R-Guard FastFlash® with existing sheet weather resistive barriers, extend FastFlash® 8-10 inches over the face of the exterior wall to ensure positive drainage.
3. Allow treated surfaces to skin before installing windows, doors and other wall assembly, waterproofing or air barrier components.

PROTECT

Apply PROSOCO R-Guard® Spray Wrap, MVP, VB, Cat 5®, Cat 5® Rain Screen or other waterproofing or air barrier component pursuant to manufacturer instructions.

TRANSITION

Flashing Transitions

1. Apply a generous bead of FastFlash® to the top edge of the flashing leg.
2. Spread the wet product to create a monolithic "cap flash" flashing membrane that extends 2 inches (51 mm) up the vertical face of the exterior wall and down over the fastener heads of the flashing termination bar. This "liquid termination bar" helps secure the flashing and ensures positive drainage from the wall surface to the flashing.

Curing and Drying

At 70°F (21°C) and 50% relative humidity, product skins within 30 minutes and dries in 4 hours.

FastFlash® is moisture curing. Low temperatures and low relative humidity slow dry time. High temperatures and high relative humidity accelerates dry time.

Cleanup

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

BEST PRACTICES

Surfaces should be clean, free of standing water and in good repair before application. Most building surfaces can be cleaned using Enviro Klean® 2010 All Surface Cleaner. Information is available by calling Technical Customer Care at 800-255-4255.

In rough openings, prime raw gypsum board edges with R-Guard GypPrime.

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

Hot Weather 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. 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: May be applied to frost-free substrates at temperatures below 32°F (0°C). Product will not start curing and drying until temperature rises to and remains above 32°F (0°C). **Low Humidity Conditions:** Curing may take longer than 12 hours. Lightly misting treated surfaces with fresh water will accelerate curing.

Uncured material may delay construction.

FastFlash® may be used to adhere and gasket mechanically fastened building components.

When using FastFlash® as a flashing membrane, apply 12–15 wet mils. FastFlash® produces an opaque flashing membrane when installed at the recommended 12–15 wet mils to simplify inspection and quality control.

PROSOCO R-Guard® Joint & Seam Filler, FastFlash® and AirDam® are recommended for improved performance of all R-Guard air- and water-resistive barrier coatings.

Allow FastFlash® to skin over before installing the selected PROSOCO R-Guard® Primary Air & Water-Resistive Barrier.

Illustration depicting the use of PROSOCO R-Guard® products are available at www.prosoco.com by downloading the R-Guard Installation Guidelines.

To schedule field technical support, contact your PROSOCO Technical Customer Care toll-free at 800-255-4255. 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.**

SAFETY INFORMATION

PROSOCO R-Guard® FastFlash® contains calcium carbonate and may cause eye and skin irritation. Use with adequate ventilation, safety equipment and job site controls during application and handling. Read the full label and MSDS for precautionary instructions before use.

First Aid

Ingestion: DO NOT induce vomiting. DO NOT give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Eye Contact: In case of contact with eyes, lips or mouth, flush thoroughly with water. If irritation develops, consult a physician.

Skin Contact: Wash with fresh water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. If victim is having trouble breathing, remove to medical care.

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

WARRANTY

Information and recommendations are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made because we cannot anticipate every application or variations encountered in building 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.** 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, environmental 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 web site at www.prosoco.com, for the name of the PROSOCO R-Guard® representative in your area.

AAMA 714-12: Voluntary Specification for Liquid-Applied Flashing Used to Create a Water-Resistive Seal Around Exterior Wall Openings in Buildings

Test	Method	Criteria	Results
Adhesive Strength to Substrates	ASTM C 794	≥ 5 pli	Pass
Water Penetration Around Nails	Modified ASTM D 1970 AAMA 711 Section 5.3	Shall pass 31 mm (1.2 in) of water	Pass
Accelerated UV Aging Peel Adhesion Appearance	ASTM G 154, UVA cycle 1 ASTM C 794 Visual	≥ 5 pli	Pass
Elevated Temperature Exposure, Level 3=176°F for 7 days	AAMA 711 ASTM C 794	≥ 5 pli	Pass
Thermal Cycling (10 cycles) Peel Adhesion	AAMA 711 ASTM C 794	≥ 5 pli	Pass
Crack Bridging	ASTM C 1305	Water holdout of 550 millimeters for 24 hours with 1/8-inch crack after cycling per ASTM C 1305 for 10 cycles	Pass
Water Immersion	AAMA 711 ASTM C 794	≥ 5 pli	Pass
Water Vapor Permeability	ASTM E 96 Wet Cup	Minimum of 10 perms at manufacturer's recommended application thickness	Pass – 21 perms
Damp Surfaces	ASTM C 794	≥ 5 pli	Pass

ICC-ES AC212¹: Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers Over Exterior Sheathing (*FastFlash® Tested as Part of an Assembly)

Test	Method	Criteria	Results
*Tensile Bond	ASTM C 297	Minimum 15 psi (105 kPa)	Pass
*Freeze-Thaw	ICC-ES AC212	No cracking, checking, crazing, erosion, delamination or other deleterious effects	Pass
*Water Resistance	ASTM D 2247	No cracking, checking, crazing, erosion, delamination, or other deleterious effects	Pass
Water Penetration	ASTM E 331	No visible water penetration at sheathing joints as viewed from back of the panel	Pass
*Weathering	ICC-ES AC212 AATCC ² 127	No cracking of the coating; no water penetration	Pass

ABAA: Air Barrier Association of America Acceptance Criteria for Liquid Applied Membranes (*FastFlash® Tested as Part of an Assembly)

Test	Method	Criteria	Results
*Air Leakage of Air Barrier Assemblies	ASTM E 2357	≤ 0.2 L / s·m ² at 75 Pa (≤ 0.04 cfm / ft ² at 1.57 psf)	Pass: 0.0105 L / s·m ² at 75 Pa (0.0021 cfm / ft ² at 1.57 psf)

Fire Testing

Test	Method	Criteria	Results
Surface Burning Characteristics	ASTM E 84	Criteria for ICC and NFPA Class A Building Material: Flame Spread ≤ 25 Smoke Developed ≤ 450	Meets Class A Building Material Flame Spread: 15 Smoke Developed: 10

All testing conducted by independent, accredited laboratories.

NOTES:

- 1: International Code Council Evaluation Service Acceptance Criteria 212
- 2: American Association of Textile Chemists and Colorists