

07 00 00 Thermal & Moisture Protection

07 27 00 Air Barriers
 07 27 26 Fluid Applied Membrane Air Barriers
 07 27 29 Air Barrier Coatings
 07 25 00 Weather Barriers

PRODUCT DATA SHEET

PROSOCO
 SINCE 1939



EMERGENCY WaterStop

waterproof sealant and adhesive for emergency repairs

EMERGENCY WaterStop is part of the family of PROSOCO R-GUARD® products. Use to form a waterproof bead or membrane when repairing water leakage at windows, doors, skylights, gutters, flashing or other water-handling details.

OVERVIEW

PROSOCO R-GUARD® EMERGENCY WaterStop is a gun-grade, wet sealant that combines the best of silicone and polyurethane properties. This single component, Silyl-Terminated-Poly-Ether (STPE) is easy to gun and tool in all weather conditions. EMERGENCY WaterStop seals and bonds to most building materials – **even when submerged in water** – producing a durable, high performance, high movement elastomeric sealant.

The ability to install EMERGENCY WaterStop underwater and in adverse conditions eliminates many weather-related construction delays and makes it possible to dry-in buildings being damaged by active water leaks. EMERGENCY WaterStop adheres to most surfaces and is immediately waterproof.

SPECIFICATIONS

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

ADVANTAGES

- Solvent free. Isocyanate free. Complies with all known VOC regulations.
- Silane functional polymer provides superior long-term adhesion, crack bridging and weathering characteristics.
- Bonds to most common building materials – wet or dry – without priming.
- Bonds and cures in wet weather and on wet surfaces.
- Easy to repair if damaged.
- Single component requires no mixing.
- Easy to gun and tool in all climates.
- Withstands UV exposure for up to 12 months.
- No shrinkage. No staining. Non-yellowing.
- Breathable – allows wet surfaces to dry.
- Stops penetration of air and water under normal and extreme weather conditions.
- Service temperature: –70°F to 300°F (–57°C to 149°C).

Limitations

- Do not apply when temperatures are below 35°F (2°C) or above 110°F (43°C).

REGULATORY COMPLIANCE

VOC Compliance

PROSOCO R-GUARD® EMERGENCY WaterStop 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

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TYPICAL TECHNICAL DATA

R-GUARD EMERGENCY WATERSTOP

FORM	Blue paste
SPECIFIC GRAVITY	1.4 – 1.5
pH	Not applicable
WT/GAL	11.85 lbs
TOTAL SOLIDS	99%
VOC CONTENT	30 g/L, maximum
FLASH POINT	>200° F (>93° C)
FREEZE POINT	Not applicable
SHELF LIFE	1 year in tightly sealed, unopened container

CURED PROPERTIES

Hardness, Shore A	25–35
Tensile Strength	100 psi
Elongation at Break	500%
Peel Strength	25 pli

PREPARATION

Surfaces must be structurally sound and free of any contaminants. Remove oils or other contaminants, loose materials and debris.

Protect people, vehicles, property, plants and all other surfaces not intended to receive EMERGENCY WaterStop.

Surface and Air Temperatures

Surface and ambient temperatures should be 35°F (2°C) and rising and below 110°F (43°C) during application and drying. If air or surface temperatures exceed 95°F (35°C), apply to shaded surfaces and before daytime air and surface temperatures reach their peak.

Equipment

Apply using a professional caulking gun. Use a joint knife, trowel or roller to spread the product.

Storage and Handling

Store in a cool, dry place. Keep container tightly closed when not in use. Do not open until preparation work is complete. Do not alter or mix with other chemicals. When stored at or below 80°F (27°C), R-GUARD EMERGENCY WaterStop 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. Keep out of the reach of children. Dispose of in accordance with local, state and federal regulations.

APPLICATION

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

ALWAYS TEST each surface for suitability, and desired results before overall application. Use the following application instructions.

Dilution & Mixing

Apply as packaged. Do not dilute or alter, or use for applications other than specified. EMERGENCY WaterStop is ready to use. No mixing is required.

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.

Typical Coverage Rate

Coverage varies depending on the width and depth of joints. When overlapping onto adjacent surfaces, rough surface irregularities will reduce coverage. When used as a membrane, coverage will vary depending on surface irregularities.

- 9.8-oz Cartridge: 10 sq.ft. sealed at 12 mils

Application Instructions

Bead Sealant for Leaking Joints, Corners & Cracks

1. Using a professional grade caulking gun, install sealant in leaking joints, corners and cracks. Install a continuous bead without gaps.
2. Tool immediately to fill flush and stop water leakage. Overlap no less than 2 inches onto adjacent surfaces. Ensure there are no pinholes, voids or gaps in coverage.
3. Where horizontal and vertical surfaces meet, tool to ensure positive drainage and prevent water and debris from accumulating in joints, corners or cracks.

Waterproof Membrane

Apply to minimum thickness of 12 mils.

1. Apply a thick bead in a zigzag pattern over affected surfaces.
2. Immediately press and spread the wet product to create a monolithic waterproofing membrane which fills and surrounds the leak. Apply and spread additional product as needed to create an opaque, monolithic waterproof membrane which is free of voids or pinholes.
3. Inspect membrane before covering. Repair any punctures, translucent or damaged areas by applying additional EMERGENCY WaterStop.

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Curing and Drying

EMERGENCY WaterStop cures at the rate of 1/8 inch of depth per day. High humidity accelerates curing and drying time.

Cleanup

Clean tools and equipment immediately with mineral spirits or other similar solvent.

SAFETY INFORMATION

PROSOCO R-GUARD® EMERGENCY WaterStop contains calcium carbonate and may cause skin and eye irritation. Use with adequate ventilation, safety equipment and job site controls. Read 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: Immediately rinse eyes with water. Remove any contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with running water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact: Wash affected areas with large amounts of running water and soap (if available) for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before re-use. Get medical attention if irritation develops and persists.

Inhalation: Remove to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and if available, give supplemental oxygen.

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.

BEST PRACTICES

Surfaces should be clean and in good repair before application. Most sheathing and concrete masonry can be cleaned with Enviro Klean® 2010 All Surface Cleaner. Information is available at www.prosoco.com or by calling Technical Customer Care toll-free at 800-255-4255.

EMERGENCY WaterStop bonds tenaciously. Carefully protect all nearby surfaces not intended to be treated.

Use as is. Do not thin or alter in any way.

Immediately clean up incidental contact using mineral spirits or other similar solvent.

When installed as a waterproofing membrane, ensure proper coverage (minimum 12 wet mils) by applying sufficient EMERGENCY WaterStop to achieve an opaque membrane.

Allow for drying time based on temperature and humidity. EMERGENCY WaterStop cures at the rate of 1/8 inch of depth per day. High humidity decreases dry time.

Low temperatures and low relative humidity will extend cure time. Surfaces may be misted with fresh water to accelerate cure.

Protect cleaned masonry with the appropriate PROSOCO penetrating, breathable water-repellent. Applied to the masonry veneer, penetrating breathable water-repellents work with the water-resistant capabilities of PROSOCO R-GUARD® products to provide total protection for buildings against moisture penetration and damage.

To schedule field technical support, contact PROSOCO Customer Care toll-free at 800-255-4255. Field visits by PROSOCO personnel are for the purposes 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.

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