



ADVANTAGES & BENEFITS

- Protects masonry surfaces from water damage
- Will not peel off like stick-on adhesives
- Wear-resistant and hard to damage
- Resists ponding water
- Extremely UV resistant
- Resists acid rain and chemical pollutants to protect from chemical spills and fallout damage
- Meets VOC emissions and regulations to eliminate facility downtime during installation.
- Non-toxic formulation is safe to apply
- Easy application and cleanup
- No special training or equipment required to install

Recommended uses:

- Waterproofing foundation walls
- Waterproofing basements
- Lining water-retaining structures
- Waterproofing masonry shrubby boxes
- Priming structural and lightweight concrete for roofing
- Priming and texturing walkways and masonry decks

PRODUCT DESCRIPTION

BarrierGuard® is designed for waterproofing all types of masonry surfaces such as foundation walls, concrete panels, exterior basement walls, retaining walls and moisture-retaining structures such as cisterns, and concrete shrubby boxes. Mixed with water and Portland cement, and fully reinforced with **PremiumCoat® Fabric**, it forms a hard-wearing, flexible compound. It is also resistant to standing water and ideal for subterranean waterproofing.

APPROVALS & CERTIFICATIONS



BarrierGuard® is certified by NSF to NSF/ANSI Standard #61: Drinking Water System Components.

WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

PACKAGING & SHELF LIFE

2 gallon (7.6 liter) bucket
5 gallon (19 liter) pail

Shelf life 18 months if unopened containers stored between 40°F and 70°F.

PHYSICAL PROPERTIES

BARRIERGUARD® WATERPROOFING	
Tensile Strength	775 ± 50 psi [ASTM C190]
Compressive Strength	5700 ± 300 psi [ASTM C190]
Flexural Strength	1835 ± 100 psi [ASTM C348]
Shear Bond Adhesion	550 ± 50 psi [ASTM C190]
Abrasion Resistance	< 36mg loss [ASTM D4060]
Impact Strength	>80 inch-pounds [ASTM G14]
Hardness	>16 KHN [ASTM D1474]
Permeance	Class III vapor retarder

BARRIERGUARD® LIQUID – TYPICAL PROPERTIES	
Weight per Gallon	8.71 lbs/gal (1.05 g/mL) [ASTM D1475]
Solids by Weight	41.9% ± 2 [ASTM D1644]
Solids by Volume	39.2% ± 2 [ASTM D2697]

BARRIERGUARD® MIX – TYPICAL PROPERTIES	
Weight per Gallon	18.0 lbs/gal [ASTM D1475]
Solids by Weight	>83.0% ± 2 [ASTM D5201]
Solids by Volume	>63.3% ± 2 [ASTM D5201]

Values represented are typical but should not be construed as specifications.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION: Remove any loose or flaking particles, scale, dirt, or rust. Masonry and concrete surfaces should be dampened first to prevent moisture loss from the slurry.

MIXING: A slurry is prepared by mixing one part HydroStop™ **BarrierGuard®** Waterproofing, one part cool water, and three parts Portland cement (Type I). First, add **BarrierGuard®** Waterproofing and cool water to a clean 5-gallon (19 liter) pail and mix with a slow-speed mechanical mixer for about 1 minute. Then, slowly add the Portland Cement (Type I) until a fully homogenous and lump-free slurry is produced. When ambient temperature is above 80°F (26°C), add ice to cool down the slurry mix in order to help prevent premature gelling.

APPLICATION: Apply slurry mix to the dampened area and immediately embed the HydroStop™ **PremiumCoat® Fabric** into the wet slurry. **Fabric** should lap by a minimum of four inches. Remove any air pockets or creases with a brush. Before the first layer dries, fully saturate the fabric with a second coat of slurry and allow to dry. Once dry, apply a third and final coat of HydroStop™ **Bar-**

rierGuard® Waterproofing slurry mix. Allow 72 hours of curing time before backfilling area with soil or filling area with water. Apply when temperatures are above 50°F (10°C) and rising with no rain in the forecast or freezing temperatures for 24 hours. Apply product with a GAF roof brush when used with fabric, priming with a roller (typically minimum 3/4" [19 mm] nap) or trowel as needed for crack filling or leveling. One gallon (3.8 L) of **BarrierGuard®** Waterproofing will make approximately four gallons (15.1 L) of slurry, which will cover approximately 50 ft² (4.6 m²) of the full **BarrierGuard®** Waterproofing System reinforced with fabric. Coverage of slurry for dampproofing or priming may vary from 120 – 200 ft² (11.1 – 18.9 m²) depending on condition of substrate.

COVERAGE: One gallon of **BarrierGuard®** will make approximately four gallons of slurry. The slurry will cover approximately 50 ft² of full **BarrierGuard®** System that is reinforced with fabric. Coverage of slurry for dampproofing or priming may vary from 120–200 ft² depending on condition of substrate.

GAF Liquid-Applied

January 2016, supercedes December 2014

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

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HYDROSTOP™

BarrierGuard® Waterproofing

Product Data Sheet

DRYING/CURING INFORMATION

The exact drying time for the **BarrierGuard®** System will vary with environmental conditions. Typically the **BarrierGuard®** System will dry in 1 hour at 70°F and 70% humidity. A full cure is generally obtained in 72 hours.

Potable water Applications: refer to the NSF International website (www.nsf.org) for application parameters for potable water end uses. For more information, contact the GAF Technical Services Department.

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to the Safety Data Sheet (SDS).

CLEAN UP

Thoroughly rinse application equipment with clean water.

GAF

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1-800-ROOF-411
gaf.com

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