



# BarrierGuard® Surface Coating – Data Sheet

## PRODUCT DESCRIPTION

**GAF BarrierGuard® Surface Coating** is a polymer-modified cement for masonry and concrete designed to enhance the adhesion of the **GAF Premium System** and other GAF coatings.

## APPROVED SUBSTRATES

Masonry and concrete surfaces. Priming structural concrete for roofing and texturing walkways and masonry decks.

## PACKAGING SIZES

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

## STORAGE & SHELF LIFE

**PRODUCT STORAGE TEMPERATURE:** 50°F – 90°F (4.4°C – 32°C) Do NOT allow coating to freeze.

**SHELF LIFE:** 18 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area.

## WARRANTY

Refer to applicable warranties and guarantees, available at [gaf.com](http://gaf.com), for complete coverage and restrictions.

## APPLICATION RATE FOR LIMITED WARRANTY ON GAF LIQUID-APPLIED ROOF COATINGS

Limited Warranty Term	5 year
Number of Gallons Per Square	8
Dry Film Thickness, Mils	50

For application rates and other requirements for system guarantees and warranties, see *Liquid-Applied Roofing Manual* at [gaf.com](http://gaf.com).

## APPLICATION INSTRUCTIONS

**SUBSTRATE PREPARATION:** Remove any loose or flaking particles, scale, dirt, or rust. A light misting of water on masonry surfaces may be necessary prior to applying on hot and/or sunny days.

**MIXING: BarrierGuard® Surface Coating** is a liquid that requires mixing. A slurry is prepared by mixing one part **BarrierGuard® Surface Coating**, one part cool water, and three parts Portland Cement (Type I). First, add **BarrierGuard® Surface Coating** and cool water to a clean 5-gallon (18.9 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: GAF BarrierGuard® Surface Coating** may be applied by brush or roller. Apply slurry mix to the area and immediately embed **GAF Premium Fabric** into the wet slurry. 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 the **BarrierGuard®** slurry mix.

**APPLICATION(Cont'd):** One gallon of the **BarrierGuard® coating** will make approximately four (4) gallons of slurry which will cover approximately 50 sq. ft. of the full **BarrierGuard® system** reinforced with fabric. Total coverage is dependent upon the substrate. Smooth substrates may require less coating, while rough or porous substrates may require more coating. See [gaf.com](http://gaf.com) for alternate applications and more information.

## LIMITATIONS & PRECAUTIONS

**APPLICATION AIR TEMPERATURE:** Min. 50°F (10°C). Do NOT heat containers.

**APPLICATION SURFACE TEMPERATURE:** 50°F (10°C) and rising. Care should be taken when coating surfaces above 120°F. Contact GAF Design Services if you have application questions.

Do NOT apply if rain, dew, fog, heavy moisture, condensation, or freezing temperatures are in the 8-hour forecast to ensure proper cure. Cool temperatures/high humidity may slow curing.

## 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.

For application questions, contact GAF Design Services at **1-877-GAF-ROOF**

We protect what matters most™





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## PHYSICAL PROPERTIES

**Table 1: BarrierGuard® Liquid – Typical Properties**

Type	ASTM Test Method	Test Values <sup>1</sup>
Weight per Gallon/Liter	ASTM D1475	8.71 lbs/gal (1.05 g/mL)
Volume Solids	ASTM D2697	39.2%
Weight Solids	ASTM D1644	41.9%

**Table 2: BarrierGuard® Mix – Typical Properties**

Type	ASTM Test Method	Test Values <sup>1</sup>
Weight per Gallon/Liter	ASTM D1475	18.0 lbs/gal
Volume Solids	ASTM D5201	>63.3%
Weight Solids	ASTM D5201	>83.0%

**Table 3: BarrierGuard® Waterproofing**

Type	ASTM Test Method	Test Values <sup>1</sup>
Tensile Strength	ASTM C190	775 psi
Compressive Strength	ASTM C190	5700 psi
Flexural Strength	ASTM C348	1835 psi
Shear Bond Adhesion	ASTM C190	550 psi
Abrasion Resistance	ASTM D4060	< 36mg loss
Impact Strength	ASTM G14	>80 inch-pounds
Hardness	ASTM D1474	>16 KHN
Permeance	-	Class III vapor retarder
VOC	-	< 5 g/L
Dry Time	-	1 hour @ 70°F and 70% humidity
Full Cure	-	72 hours

<sup>1</sup> Values are approximate and subject to normal manufacturing variations. These values are not guaranteed and are provided solely as a guide.

## APPROVALS

UL Listed	ANSI/UL790 Class A Roofing Fire Rating – See UL Product_iQ for actual assemblies
State of Florida Approved	Approval Reports FL620 and FL20633
Miami-Dade County Approved	NOA 21-0105.10 (formerly known as HydroStop® BarrierGuard® Surface Coating)
FM Approved	See <a href="http://www.RoofNav.com">www.RoofNav.com</a> for actual assemblies



NSF/ANSI Standard #61: Drinking Water System Components

