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, for complete coverage and restrictions.

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 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.

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.	

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

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PHYSICAL PROPERTIES

Table 1 : BarrierGuard® Liquid - Typical Properties

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

Table 3: BarrierGuard® Waterproofing

Type	ASTM Test Method	Test Values[1]
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

1. 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 www.RoofNav.com for actual assemblies

NSF/ANSI Standard #61: Drinking Water System Components

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