

GAF BarrierGuard® Surface Coating



Description:

GAF BarrierGuard® Surface Coating is a polymer-modified cement for masonry and concrete designed to enhance the adhesion of the GAF Premium Acrylic HydroStop® 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 liters) pail

Storage and Shelf Life:

Product Storage Temperature: 50°F – 90°F (10°C – 32°C) do not allow coating to freeze.

Shelf Life: 12 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. 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 and 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 and 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.



Visit gaf.com

For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com

We protect what matters most™

GAF

Liquid Physical Properties

Type	ASTM Test Method	Test Values*
Volume Solids	ASTM D2697	39.2%
Weight Solids	ASTM D 1644	41.9%
Weight per Gallon / per Liter	ASTM D1475	8.71 lb./gal (1.05 g/mL)





Mix Physical Properties

Type	ASTM Test Method	Test Values*
Volume Solids	ASTM D2697	> 63.3%
Weight Solids	ASTM D 1644	> 83.0%
Weight per Gallon / per Liter	ASTM D1475	18.0 lb./gal

Waterproofing Physical Properties

Type	ASTM Test Method	Test Values*
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	< 36 mg loss
Impact Strength	ASTM G14	> 80 inch-pounds
Hardness	ASTM D1474	> 16 KHN
Permanence	—	Class III vapor retarder
VOC	—	< 5 g/L
Dry Time	—	1 hour @ 70°F and 70% humidity
Full Cure	—	72 hours

Approvals

	<p>FM Approved See www.RoofNav.com for actual assemblies</p>		<p>UL Approved ANSI/UL790 Class A Roofing Fire Rating See UL Product iQ for actual assemblies</p>
	<p>Miami-Dade County Product Control Approved NOA 21-0105.10 (formerly known as HydroStop® BarrierGuard® Surface Coating)</p>		<p>NSF/ANSI Standard #61 Drinking Water System Components</p>
<p>State of Florida Approved FL620 and FL20633</p>			

* Values are approximate and subject to normal manufacturing variations. These values are not guaranteed and are provided solely as a guide