



# Premium Acrylic HydroStop® Base Coat – Data Sheet

## PRODUCT DESCRIPTION

**GAF Premium Acrylic HydroStop® Base Coat** is a high solids elastomeric acrylic coating used in a basecoat/topcoat system to improve the adhesion of GAF Premium Acrylic HydroStop® Top Coat.

**GAF Premium Acrylic HydroStop® Base Coat** is designed for easy application with conventional or airless spray equipment, as well as brush or roller.

## APPROVED SUBSTRATES

New and existing metal, structural concrete, asphaltic roofs, TPO, PVC, Hypalon®, EPDM, Polyisocyanurate, Gypsum Roof Board and SPF. New metal and concrete roofs should be weathered for at least 30 days. Do NOT use on, gravel-surfaced roofs, or shingle roofs.

## PACKAGING SIZES

- 2 gallon (7.6 liter) bucket
- 5 gallon (19 liter) pail
- 55 gallon (208 liter) drum
- 275 gallon (1041 liter) tote

## STORAGE & SHELF LIFE

PRODUCT STORAGE TEMPERATURE: 50°F – 90°F (10°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.

## APPLICATION

### INSTRUCTIONS

**SUBSTRATE PREPARATION:** Roof must have positive drainage, and be clean and dry with no trapped moisture. Repair damaged membrane, flashings, and penetrations. Conduct test patches to verify adhesion of coating prior to start of work. Priming of substrate is recommended and may be required. See *Liquid-Applied Roofing Manual* at [gaf.com](http://gaf.com).

**MIXING:** Mix uniformly for 3 minutes prior to use. Do NOT attempt to thin or self-tint.

### APPLICATION:

Apply by brush, roller, or airless sprayer evenly at the rates specified in the chart below. Do NOT apply more than 1.5 gallons per 100 ft<sup>2</sup> (6.1 L per 10 m<sup>2</sup>). Total coverage is dependent on the substrate. See below for minimum coverage requirements.

For fabric-embedded applications, use brush only. Apply one coat of **GAF Premium Acrylic HydroStop® Base Coat** to the substrate, lay GAF Premium Fabric (sizes vary) into the wet material, and immediately apply an additional coat of **GAF Premium Acrylic HydroStop® Base Coat** over the top to saturate the fabric. Total application rate should not exceed 2.5 gallons per 100 ft<sup>2</sup> (10.2 L per 10 m<sup>2</sup>).

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

Limited Warranty Term	5 Years
Number of Gallons Per Square	2.5
Dry Film Thickness	20
For system guarantees and warranties, see <i>Liquid-Applied Roofing Manual</i> at <a href="http://gaf.com">gaf.com</a> .	

## WARRANTY

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

## 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

Use water and soap to thoroughly flush equipment.

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

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## PHYSICAL PROPERTIES

**Table 1: Liquid Physical Property Requirements**

Type	ASTM Test Method	Test Values <sup>1</sup>
Viscosity	ASTM D 2196	Brookfield 6rpm: 34,000 CPS
Volume Solids	ASTM D 2697	52%
Weight Solids	ASTM D 1644	66%

**Table 2: Cured Film Physical Property Requirements**

Type	ASTM Test Method	Test Values <sup>1</sup>
Initial Percent Elongation	ASTM D 2370	323%
Initial Tensile Strength	ASTM D 2370	217 psi
Final Percent Elongation	ASTM D 2370	Post 1,000 hrs Xenon: 122%
Permeance	ASTM D 1653	4.9 US Perms
Water Swelling	ASTM D 471	Meets ASTM D6083
Accelerated Weathering	ASTM D 4798	1,000 hours: Pass
Adhesion	ASTM D 903	Meets ASTM D6083
Fungi Resistance	ASTM G 21	0 rating
Tear Resistance	ASTM D 624	82 lbs/in
Low Temperature Flexibility	ASTM D 522	Pass, -15°F after 1,000 hrs Xenon

**Table 3: Additional Physical Properties**

Type	ASTM Test Method	Test Values <sup>1</sup>
Weight per Gallon/Liter	-	11.7 lb (1.40 kg)
VOC	-	< 50 g/L
Dry Time	ASTM D 5895	(Touch dry) 1 – 4 hours at 77°F @ 40% RH
Full Cure	ASTM D 5895	7 days
Service Temperature Limits (Installed Coating)	-	-30°F to 200°F (-37°C to 93°C)
Standard Colors	-	Patina Green

<sup>1</sup> Values are approximate and subject to normal manufacturing variations. These values are not guaranteed and are provided solely as a guide. For specific physical property information on GAF Premium Fabric and Top Coat components or information on GAF Premium System please refer to individual Technical Data Sheets.

## APPROVALS

ANSI/UL 790 Class A	UL Listed*
Factory Mutual (FM 4470)	FM Approved** Passes FM Severe Hail**
Miami-Dade County NOA***	20-0130.07

\*Refer to UL Product iQ for actual assemblies

\*\*Refer to FM RoofNav for actual assemblies.

\*\*\* GAF Premium Acrylic HydroStop® Base Coat formerly known as "Hydrostop™ Premium Foundation Coat"