

# Premium Acrylic HydroStop® Top Coat – Data Sheet

## PRODUCT DESCRIPTION

**GAF Premium Acrylic HydroStop® Top Coat** is a professional grade, water-based, acrylic elastomeric coating that is part of the GAF Premium Acrylic HydroStop® Coating System. **GAF Premium Acrylic HydroStop® Top Coat** can be used over a variety of substrates to help provide protection against damage from exposure to UV and weather elements. Used in conjunction with GAF Premium Acrylic HydroStop® Base Coat and GAF Premium Fabric, it creates the GAF Premium Acrylic HydroStop® System, a liquid-applied membrane for recover, reroof and new roof applications.

## APPROVED SUBSTRATES

New and existing metal, structural concrete, TPO, PVC, Hypalon®, EPDM, SPF, polyiso, gypsum roof board, and asphaltic roofs. New TPO and asphaltic 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 liters) tote

## STORAGE & SHELF LIFE

**PRODUCT STORAGE TEMPERATURE:** 40°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.

## 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 below. Do NOT apply more than 1.5 gallons per 100 ft<sup>2</sup> (6.1 L per 10 m<sup>2</sup>) in a single coat. Apply additional coats perpendicular to the previous coat once it is dry enough to walk on. Total coverage is dependent on the substrate. See below for minimum coverage requirements.

## 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	10 year	15 year
Number of Gallons Per Square	4	4.5
Dry Film Thickness, Mils	33	37

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

## 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 (ASTM D 6083-21)

**Table 1: Liquid Physical Property Requirements**

Type	ASTM Test Method	ASTM Minimum Values	Test Values <sup>1</sup>
		Type I	
Volume Solids	ASTM D 2697	≥50%	52%
Weight Solids	ASTM D 1644	≥60%	66%

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

Type	ASTM Test Method	ASTM Minimum Values	Test Values <sup>1</sup>
		Type I	
Initial Percent Elongation	ASTM D 2370	Min. 100% @73°F	Initial: 306%
Initial Tensile Strength	ASTM D 2370	Min. 200 psi @73°F	207 psi
Final Percent Elongation	ASTM D 2370	Min. 100% @73°F	Post 1,000 hrs Xenon: 148%
Permeance	ASTM D 1653	Max. 50 perms	3.9 US Perms
Water Swelling	ASTM D 471	Max. 20% (mass)	Meets or exceeds
Accelerated Weathering	ASTM D 4798	No cracking/checking	1,000 hours: Pass
Adhesion	ASTM D 903	Min. 2.0 pli wet	8.7 pli
Fungi Resistance	ASTM G 21	0 rating	0 rating
Tear Resistance	ASTM D 624	>60 lbf/in	93 lbf/in
Low Temperature Flexibility	ASTM D 522	Min. Pass 0.5 in. mandrel -15°F	Pass, -15°F after 1,000 hrs Xenon (Type I)

**Table 3: Additional Physical Properties**

Type	ASTM Test Method	Test Values <sup>1</sup>
Weight per Gallon/Liter	-	12.0 lb (1.4 kg)
VOC	-	<25 g/L
Dry Time	ASTM D 5895	(Dry to Touch) 1–2 hours at 72°F @ 50% RH
Full Cure	ASTM D 5895	100 min
Standard Colors	-	White, Light Gray, Dark Gray, Tan, Light Tan, plus nine other colors. See GAF Roof Coatings Solution Guide. *Customized tinting available

1. 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 Acrylic HydroStop® Base Coat and Fabric components or information on GAF Premium Acrylic HydroStop® 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**		
State of Florida Approved (FBC)	FL620, FL20663		
Miami-Dade County NOA***	21-0105.10		
Title 24	Rated by the Cool Roof Rating Council (CRRC) for use in Title 24 Projects		
CRRC (Cool Roof Rating Council) coolroofs.org	WHITE - Smooth (Product ID 0676-0126)		
	Solar Reflectance	Thermal Emittance	Solar Reflective Index (SRI)
	Initial: 0.71 Aged: 0.67	Initial: 0.90 Aged: 0.90	Initial: 87 Aged: 82

\*Refer to UL Product iQ for actual assemblies

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

\*\*\* GAF Premium Acrylic HydroStop® Top Coat formerly known as "HydroStop® PremiumCoat Finish Coat"

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