



# High Tensile Acrylic Top Coat – Data Sheet

## PRODUCT DESCRIPTION

**GAF High Tensile Acrylic Top Coat** is a water-based, acrylic elastomeric top coat that is part of the GAF Acrylic Coating System. **GAF High Tensile Acrylic Topcoat** is designed to be applied over GAF Acrylic Base Coat. It has high tensile emulsion polymers combined with reinforcing pigments for strong physical properties and durability that help provide protection against damage from exposure to UV and weather elements.

## APPROVED SUBSTRATES

New and existing metal, structural concrete, TPO, PVC, Hypalon®, SPF, EPDM, 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

5 gallon (19 liter) pail  
54 gallon (204 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 in unopened containers, if stored properly in a clean and well-ventilated area.

## PHYSICAL PROPERTIES<sup>1</sup>

Solids By Weight	62% [ASTM D1644]
Solids By Volume	52% [ASTM D2697]
Tensile Strength	380 psi [ASTM D2370]
Elongation	500% [ASTM D2370]
Hardness	75 to 80 Shore A [ASTM D2240]
Permeance	8.3 U.S. Perms [ASTM D1653]

Wet Peel Adhesion	Meets ASTM D6083 [ASTM D903]
VOC	<25 g/L
Dry Time	To Touch: 65 Minutes, 72°F (24°C), 50% RH @30 wet mils [ASTM D5895] *Dry times will increase with higher humidity and/or lower temperature
Service Limits (Installed Coating)	30°F – 200°F (-35°C – 93°C)
Solar Reflective Index (SRI)	WHITE Initial: 104 Aged: 88
Standard Colors	White, Dove Gray, Gray, Cotton, Desert Sand, Light Tan, Slate Blue, and Patina Green. 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.



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## 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.

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

Limited Warranty Term	5 Years	7 Years	10 years	12 years	15 years
Number of Gallons Per Square	2	2.5	3	3.5	4
Dry Film Thickness	16	20	25	29	33

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

## 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 - 110°F (10°C - 43°C). Cool temperatures/high humidity may slow curing.

Call GAF Technical Support Services for ranges outside these limits 1-877-423-7663

## 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. If coating has hardened, clean with solvent.

## APPROVALS

Meets or Exceeds ASTM D6083	Tested and approved
ANSI/UL790 Class A Roofing Fire Rating*	Classified as a spray applied foam and coating system as outlined in the UL Roofing Materials & Systems Directory and UL website
FM 4470	Factory Mutual Approved for recover over FM rated BUR or insulated metal panels**
Factory Mutual	Passes FM Severe Hail**
CRRC (Cool Roof Rating Council) <a href="http://coolroofs.org">coolroofs.org</a>  Product ID 0676-0109a	WHITE Solar Reflectance Initial 0.83  Thermal Emittance Initial 0.91
California Title 24	Meets all Title 24 requirements

\* Refer to UL Product IQ for actual assemblies.

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