



Acrylic Top Coat – Data Sheet

PRODUCT DESCRIPTION

GAF Acrylic Top Coat is a water based, acrylic elastomeric top coat that is part of the GAF Acrylic Coating System. **GAF Acrylic Top Coat** is designed to be applied over GAF Acrylic Base Coat. **GAF Acrylic Top Coat** forms a monolithic coating that helps provide protection against damage from the exposure to UV and weather elements. It is also effective in sealing and encapsulating spray polyurethane foam (SPF).

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 (18.9 liter) pail
55-gallon (208 liter) drum
275-gallon (1040 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.

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 ft² (6.1 L per 10 m²) 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, for complete coverage and restrictions.

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

| Limited Warranty Term | 5 Years | 10 years | 15 years |
|------------------------------|---------|----------|----------|
| Number of Gallons Per Square | 2 | 3 | 4 |
| Dry Film Thickness | 17 | 25 | 34 |

For application rates and other requirements for system guarantees and warranties, see *Liquid-Applied Roofing Manual* at 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**

We protect what matters most™



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PHYSICAL PROPERTIES (ASTM D 6083-21)

Table 1: Liquid Physical Property Requirements

| Type | ASTM Test Method | ASTM Minimum Values | |
|---------------|------------------|---------------------|--------------------------|
| | | Type I | Test Values ¹ |
| Volume Solids | ASTM D 2697 | ≥50% | 53% |
| Weight Solids | ASTM D 1644 | ≥60% | 66% |

Table 2: Cured Film Physical Property Requirements

| Type | ASTM Test Method | ASTM Minimum Values | |
|-----------------------------|------------------|---------------------------------|--------------------------|
| | | Type I | Test Values ¹ |
| Initial Percent Elongation | ASTM D 2370 | Min. 100% @73°F | 258% |
| Initial Tensile Strength | ASTM D 2370 | Min. 200 psi @73°F | 284 PSI |
| Final Percent Elongation | ASTM D 2370 | Min. 100% @73°F | Pass |
| Permeance | ASTM D 1653 | Max. 50 perms | Meets ASTM D6083 |
| Accelerated Weathering | ASTM D 4798 | No cracking/checking | 1,000 hours: Pass |
| Low Temperature Flexibility | ASTM D 522 | Min. Pass 0.5 in. mandrel -15°F | Passes Type 1 |

Table 3: Additional Physical Properties

| Type | ASTM Test Method | Test Values ¹ |
|--|--------------------------------|--|
| Weight per Gallon/Liter | - | 11.8 lb. (1.41 kg) |
| VOC | - | <25 g/L |
| Hardness | ASTM D2240 | 55-65 Shore A |
| Bond Strength | ASTM C 297 | Exceeds cohesive strength of coating |
| Dry Time | ASTM D 5895 | 3 hours @ 70°F (21°C), 50% R.H. White @ 16 wet mils (406 microns) *Required time will increase at higher humidity and/or lower temperatures |
| High-Temperature Stability | ASTM D794 | No age hardening up to 250°F (121°C) |
| Resistance to Wind-Driven Rain | Federal Specification TTC-555B | 0.3% moisture result |
| Service Temperature Limits (Installed Coating) | - | -30°F to 200°F (-35°C to 93°C) |
| Standard Colors | - | White, Light Gray, Dark Gray, Tan, Light Tan 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 | | |
| Miami-Dade County NOA | 20-0130.07*** | | |
| 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 0614-0004a) | | |
| | Solar Reflectance Initial: 0.83 Aged: 0.71 | Thermal Emittance Initial: 0.92 Aged: 0.90 | Solar Reflectance Index (SRI) Initial: 105 Aged: 87 |

*Refer to UL Product iQ for actual assemblies

**Refer to FM RoofNav for actual assemblies.

***Formerly known as Roofmate Top Coat