



I.S. Acrylic Top Coat – Data Sheet

PRODUCT DESCRIPTION

GAF I.S. Acrylic Top Coat is a water based, acrylic elastomeric top coat that forms a monolithic coating that helps provide protection against damage from exposure to UV and weather elements. It is designed to rapidly form a film that resists rainwater wash-off. Because **GAF I.S. Acrylic Top Coat** provides a high film build, it can be applied in a single pass.

APPROVED SUBSTRATES

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

PACKAGING SIZES

Part A: 50-gallon (189 L) drum
Part B: 5-gallon (18.9 L) pail

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.

WARRANTY

Refer to applicable warranties and guarantees, available at gaf.com, for complete coverage and restrictions.

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: Two-part system to be mixed during application by approved spray equipment. Mix each component separately for 3 minutes prior to use. Do NOT attempt to thin or self-tint.

APPLICATION: Apply by specialized airless sprayer evenly at the rates specified below. Do NOT apply more than 3.0 gallons per 100 ft² (12.2 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 application rate table for minimum coverage requirements.

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

Limited Warranty Term	10 years
Number of Gallons Per Square	3
Dry Film Thickness, Mils	25

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 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 ¹
		Type I		
Volume Solids	ASTM D 2697	≥50%		54% (Part A ONLY)
Weight Solids	ASTM D 1644	≥60%		64% (Part A ONLY)

Table 2: Additional Physical Properties

Type	ASTM Test Method	Test Values ¹
Weight per Gallon/per Liter	ASTM D 1475	11.2 lb. (1.3 kg) (Part A ONLY)
VOC	D 6886	<50 g/L
Dry Time	D 5895	6 hours to walk on* at 70°F (21°C), 50% R.H.
Standard Colors	-	White

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

*At 50 wet mils. Dry time to walk on will increase with higher humidity and/or lower temperatures.

DRY-TO-TOUCH TIME (MIN.)**

FOR DIFFERENT TEMPERATURE-HUMIDITY CONDITIONS (MIXED)

		Temperature, °F		
		Hot (80°F – 100°F)	Moderate (65°F – 80°F)	Cold (50°F – 65°F)
Humidity, %	Humid (50% – 80%)	15	20	35
	Moderate (30% – 50%)	10	15	25
	Dry (15% – 30%)	≤10	10	10

**Dry-to-touch time is based on actual ambient condition, wind speed, and elevation. This chart is only intended to serve as an estimated value, and it assumes the recommended catalyst pressure settings are followed.

RST SPRAYER CATALYST PRESSURE SETTINGS* (PSI)

FOR DIFFERENT TEMPERATURE-HUMIDITY CONDITIONS

Choose the temperature and humidity closest to current conditions to find an initial catalyst pressure setting.		Temperature, °F		
		Hot (80°F – 100°F)	Moderate (65°F – 80°F)	Cold (50°F – 65°F)
Humidity, %	Humid (50% – 80%)	50	60	70
	Moderate (30% – 50%)	45	50	60
	Dry (15% – 30%)	40	45	50

*Catalyst pressure needs to be optimized based on actual ambient condition, wind speed, and elevation. For best results, conduct a spray test in current conditions to confirm appropriate catalyst settings. This chart is only intended to serve as an estimated initial starting point.

CJ SPRAYER CATALYST PRESSURE SETTINGS* (PSI)

FOR DIFFERENT TEMPERATURE-HUMIDITY CONDITIONS

Choose the temperature and humidity closest to current conditions to find an initial tip combinations.		Temperature, °F		
		Hot (80°F – 100°F)	Moderate (65°F – 80°F)	Cold (50°F – 65°F)
Humidity, %	Humid (50% – 80%)	561/9502 (557/9502)	561/9502 (557/9502)	561/9502 (557/9502)
	Moderate (30% – 50%)	565/9502 (561/9502)	561/9502 (557/9502)	561/9502 (557/9502)
	Dry (15% – 30%)	565/9502 (561/9502)	561/9502 (557/9502)	561/9502 (557/9502)

*Tip combination and coating pressure need to be optimized based on actual ambient condition, wind speed, elevation, and length of the spray hose. For best results, conduct a spray test in current conditions to confirm appropriate tip combinations and coating pressure settings. This chart is only intended to serve as an estimated initial starting point.

APPROVALS

ANSI/UL790 Class A	UL Listed*		
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 0676-0154)		
	Solar Reflectance Initial: 0.87 Aged: 0.71	Thermal Emittance Initial: 0.90 Aged: 0.90	Solar Reflective Index (SRI) Initial: 110 Aged: 87

*Refer to UL Product iQ for actual assemblies

***Formerly known as RoofShield I.S. Acrylic TopCoat

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