



Acron 60 Roof Coating

Product Data Sheet



PRODUCT DESCRIPTION

Acron 60 Roof Coating is a 60% solids elastomeric acrylic coating that provides good weatherability, ultraviolet resistance, and fire retardancy for the protection of polyurethane foam. **Acron 60** Roof Coating is a single package coating system designed for easy application with conventional or airless spray equipment, as well as brush or roller.

WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

PACKAGING & SHELF LIFE

5 gallon (19 liter) pail
54 gallon (204 liter) bucket

Shelf life 24 months if unopened containers stored between 40°F and 70°F (4°C - 21°C).

BASIC USES

Acron 60 Roof Coating was specifically developed for protecting sprayed polyurethane foam insulation from degradation caused by normal weathering, aging and ultraviolet exposure. Acron 60 Roof Coating is used for protection of sprayed-in-place polyurethane foam on sloped roofs, ambient and hot storage tanks, and as a coating on existing foam roofs previously coated with compatible coating systems.

Acron 60 Roof Coating is available in White, Solar Gray and Light Tan, which are certified to meet ENERGY STAR®, Cool Roof Rating Council (CRRC) and LEED reflectance criteria. Acron 60 Roof Coating Basecoat is manufactured in standard Medium Gray, which requires coating.

PHYSICAL PROPERTIES

ACRON 60 ROOF COATING	
Solids by Weight	72% (±2) [ASTM D2369]
Solids by Volume	60% (±3) [ASTM D5201]
Tensile Strength	265 psi (±20) (1.83 MPa) [ASTM D2370/D6083]
Elongation	200% (±20) [ASTM D2370/D6083]
Hardness	60 to 70 Shore A [ASTM D2240]
Permeance	2.7 US perms at 22 dry mils (155 ng/Pa.s.m ² @ 560 microns) [ASTM E96]
Fire Resistance	UL 790 Class "A" classified system over spray-applied polyurethane foam on non-combustible decks; Class A, B, C maintenance and repair coating

Surface Dry Time for Foot Traffic Resistance	5 hours at 75°F (24°C), 50% RH White at 16 wet mils (406 microns) 3 hours at 75°F (24°C), 50% RH Medium Gray at 16 mils wet (406 microns) <small>*Required times will increase @ higher humidities</small>
Low Temperature Flexibility	Passes 180° flex over 1/2" (1.2 cm) mandrel @ -5°F (-21°C) [Federal Test Method No. 141a-6221]
Temperature Limits for Service Conditions	0°F to 200°F (-18°C to 93°C)
Colors	White, Solar Gray and Light Tan



APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION: Apply to polyurethane foam surfaces between 24 and 72 hours after final application, depending on climate and manufacturer (refer to foam manufacturer for more information). Polyurethane foam and adjacent surfaces to be coated shall be free of any degraded foam, grease, oil, dirt, or other contaminants that could interfere with proper adhesion. Polyurethane foam shall be completely dry and frost-free before coating. Any physical damage to the polyurethane foam shall be repaired before coating application commences. Any oxidized polyurethane foam shall be repaired or replaced. Do not coat directly over polyurethane foam that has been mechanically scarified or sanded. Incidental metal, cementitious, or wood substrate may require priming. See gaf.com for more details.

MIXING: Thoroughly mix using a power mixer for a minimum of 5 minutes prior to application. For 5-gallon (19 L) pails, use a 3" (76 mm) minimum diameter mixing blade; for 55-gallon (208 L) drum, use a 6" (152 mm) minimum diameter blade.

APPLICATION: Apply product with an airless sprayer, covering the surface at an even rate. Use an airless spray pump with a 1 gallon-per-minute (3.8 L/minute) output and 2,000 psi (13,790 kPa) pressure capability. Use a reversible, self-cleaning tip with orifice size 0.030" (0.76 mm) and a fan angle of 50°. Filter screens should be 30 mesh or larger. Use a 1/2" (12.7 mm) inside diameter hose. Apply at a minimum rate of 100 ft²/gallon (2.5m²/L) per coat.

Total coverage depends on substrate. Rough substrates will require more. Each coat shall be applied in a direction perpendicular to the previous coat to ensure positive coverage. Each coat must be dry and cured before an additional coat is applied. All surfaces must be uniformly coated and be free from all voids, pinholes, and blisters. If any form of dirt, sand, or pollution fallout is detected on the surface of coating, remove this material before applying an additional coat.

APPLICATION NOTE: Requires complete evaporation of water to cure. Cool temperatures and high humidity will slow curing.

GAF Liquid-Applied

January 2016, supercedes March 2015

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

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APPLICATION INSTRUCTIONS, CONT'D

Apply in two coats at a minimum total rate of 1-1.5 gallons per 100 ft² (.4-.6 l/m²). Consult GAF's product specifications for specific film thickness requirements to qualify for GAF's product warranty. See published application instructions for details.

LIMITATIONS & PRECAUTIONS

Acron 60 Roof Coating should not generally be used over cold storage tanks or buildings where a vapor barrier coating is required. **Acron 60** Roof Coating shall not be used for interior applications in place of a thermal barrier.

Acron 60 Roof Coating will freeze and become unusable at temperatures below 32°F (0°C). Do not ship or store unless protection from freezing is available.

Do not apply **Acron 60** Roof Coating at temperatures

below 50°F (10°C), or when there is a possibility of temperatures falling below 32°F (0°C) within a 24-hour period after application. **Acron 60** Roof Coating requires complete evaporation of water to cure. Cool temperatures and high humidity retard cure. Do not apply if weather conditions will not permit complete cure before rain, dew, fog or freezing temperatures occur. Do not apply in the late afternoon if heavy moisture condensation can appear during the night.

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to OSHA guidelines and product Safety Data Sheet (SDS).

CLEAN UP

Use water and detergent to thoroughly flush equipment. Purge the water from the system using Mineral Spirits. Leave the solvent in the lines and equipment until next use. It is not recommended practice to leave **Acron 60** Roof Coating in the pump or hoses.

GAF

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gaf.com

See applicable warranties and guarantees for complete coverage and restrictions.