Gaco™

Product Data Sheet:

GacoFlex™ A48 Series
Revised: 01/2024

GACOFLEX™ A48 SERIES
HIGH BUILD ACRYLIC ROOF COATING

A. DESCRIPTION:

GacoFlex A48 Series High Build Acrylic Roof Coating forms a durable liquid-applied elastomeric membrane with high tensile strength, water resistance, reflectivity, and weatherability properties. A48 series coatings are designed to be applied at high build rates (up to 80 mil WFT per pass), provide superior early rain resistance in as little as 30 minutes, and fast through cure.

B. RECOMMENDED USE:

GacoFlex A48 Series is intended as a roof maintenance coating over sprayed polyurethane foam, aged asphalt roofs, metal roofs, and aged single-ply roofing membranes. Use is restricted to circumstances where the membrane surface is in sound condition but requires a renewal of the surface due to the normal effects of use and aging.

C. LIMITATIONS:

The surface that GacoFlex A48 Series is being applied should have a slope of at least 2 in / 12 in (50.5 mm / 305 mm) or greater in order to promote net positive drainage across the entire application area.

Not intended for use on surfaces that are prone to standing water. Consider GacoFlex silicone roof coatings when long-term resistance to ponding water is required. GacoFlex A48 Series is also not suitable for use over the following roof types: 1.) gravel surfaced built-up roofs or 2.) asphalt shingles.

D. APPROVALS:

GacoFlex A48 Series has passed the appropriate testing standards to achieve the following approvals:

CRRC COOL ROOF RATING COUNCIL RAPID RATINGS

CLASSIFIED UL

E. PACKAGED PRODUCT DATA:

PROPERTY	DESCRIPTION
COLOR	A4800 – White
ADHESION	Excellent adhesion to polyurethane foam, such as GacoFlex GacoRoofFoam™, aged asphalt roofs, metal roofs, aged single-ply membranes, and existing coatings. Some metal roofs may require a suitable GacoFlex primer. An anti-corrosive metal primer may be used on ferrous metal roofs to help prevent corrosion from spreading. Metal panels must be structurally sound to serve as a suitable substrate for a roof coating. GacoFlex Gaco Prime LVOC Primer may be required over existing coatings. Do not apply GacoFlex A48 Series over existing silicone coatings.
THEORETICAL COVERAGE	864 ft² / gal / mil (80.3 m² / 3.78 L / 0.02 mm)
SOLIDS	Weight: 67 % ASTM D1644 Volume: 54 % ASTM D2697
STORAGE STABILITY	3 months when stored between 50 °F – 110 °F (10 °C – 43 °C). Do not allow product to freeze. Some separation may occur after extended storage. Mix thoroughly before use.
TOXICITY	Not for use for surfaces in contact with edible substances or potable water.

V.O.C.	< 50 g / L	EPA Method 24
FLASH POINT	> 248 °F (> 120 °C)	ASTM D1310
VISCOSITY	100 - 125 KUs	ASTM D562

F. PHYSICAL PROPERTIES:

PROPERTY	ASTM TEST	REQUIREMENT	RESULT
TENSILE STRENGTH – INITIAL	D2370	>= 200 psi (1.4 MPa)	204 psi (1.4 MPa)
ELONGATION AT BREAK – INITIAL	D2370	>= 100 %	385 %
TENSILE STRENGTH – 1000 HOURS	D2370	>= 200 psi (1.4 MPa)	258 (1.78 MPa)
ELONGATION AT BREAK – 1000 HOURS	D2370	>= 100 %	335 %
TEAR RESISTANCE (DIE C)	D624	60 min.	77 lb/in (34 kg/25mm)
LOW TEMPERATURE FLEX	D522	0.5 in (13 mm) Mandrel, 14 °F (-10 °C)	Pass
LOW TEMPERATURE FLEX – 1,000 HOURS	D522	0.5 in (13 mm) Mandrel, 14 °F (-10 °C)	Pass
PERMEANCE (PERMS)	D1653	50 Perms. max	1.6 Perm
WET ADHESION			
FOAM	D903	2.0 lb (0.9 kg) min.	Pass
GALVANIZED STEEL		2.0 lb (0.9 kg) min.	Pass
PLYWOOD		2.0 lb (0.9 kg) min.	Pass
SBS CAP SHEET		2.0 lb (0.9 kg) min.	Pass
APP		2.0 lb (0.9 kg) min.	Pass
WATER SWELLING	D471	20 % max	13 %
SOLAR PERFORMANCE		**Initial**	**After Soiling***
SOLAR REFLECTANCE – A4800 WHITE	C1549	0.79	0.79
THERMAL EMITTANCE – A4800 WHITE	C1371	0.91	0.90
SOLAR REFLECTIVITY INDEX – A4800 WHITE	E1980	99	94

**CRRC Rapid Rating*

G. APPLICATION:

STEP	INSTRUCTIONS
THINNING	Thinning is not recommended under normal conditions. If necessary, use a 10 % aqua-ammonia solution at a maximum of 4 fl. oz (120 mL) of aqua ammonia solution per 5 gal (19 L) of GacoFlex A48 Series.
MIXING	Mix until homogeneous with a mechanical mixer before application to ensure uniform color and consistency.
SURFACE PREPARATION	Repair all leaks, cracks, and other deficiencies and seal flashings in the existing substrate using like materials as recommended by the original membrane manufacturer

	before applying GacoFlex A48 Series. Newly repaired areas may require a suitable GacoFlex primer. Contact Technical Services for primer recommendations. When necessary, use GacoWash at 1-part concentrate to 9-parts water to clean roof before application. Rinse well and allow substrate to dry thoroughly. **NOTE:** DO NOT WASH ASPHALT SUBSTRATES
APPLICATION	Do not apply GacoFlex A48 Series to wet surfaces. Make sure roof surface is completely dry, clean, and free of dirt, grease, biological soiling, loose granules, and paint residue before coating. Apply GacoFlex A48 Series only when air, material, and surface temperatures are between 50 °F – 110 °F (10 °C – 43 °C). Apply product in the morning to allow for maximum dry time during daylight hours. If roof temperature exceeds 100 ºF (38 °C), a light mist of water may be used to increase working time. Application rates vary based on substrate type, refer to Application Specifications available at Gaco.com for further details regarding applying GacoFlex A48 using an airless spray system. FOR USE OF AIRLESS SPRAYERS: General recommendation of 2,000 – 3,000 psi (13.8 MPa – 20.7 MPa) at the gun tip, 1.0 – 3.0 gal / min (3.8 L – 11.4 L / min) flow rate, and tip sizes ranging from 0.025 – 0.040 in (0.64 – 1 mm). Larger spray units will allow for longer hoses on larger jobs. Contact Technical Services if further assistance is required in determining the optimal equipment for project-specific requirements. **NOTE:** DO NOT EXCEED 5 GAL / 100 FT^2 (18.9 L / 9.3 M^2) PER COAT
DRY TIME	Early rain resistance in as little as thirty (30) minutes. Approximate dry time is six (6) – eight (8) hours at 72 ºF (22 °C) and 25 % RH per coat of GacoFlex A48 Series @ 60 mils WFT. Low temperatures or high humidity conditions will extend cure times. NOTE: Do not apply GacoFlex A48 Series when precipitation or heavy dew is expected within four (4) hours in normal humidity conditions or within six (6) – eight (8) hours in high humidity conditions.
CLEAN UP	Clean up tools and equipment immediately after spraying by using a 1 – 2 % solution of aqua ammonia followed by a clean water rinse. Follow spray equipment manufacturer's guidelines on clean up, storage and maintenance of spray equipment.

** For specific Health and Safety information please refer to applicable Safety Data Sheet.*