GACOFLEX 2100 MS Silyl-Modified Adhesive Sealant ELATOMERIC SEALANT

A. DESCRIPTION:

GacoFlex 2100 MS Silyl-Modified Adhesive Sealant is a UV stable high performance reactive silyl-modified adhesive sealant. It is a one-component moisture-cure sealant that exhibits excellent bond strength after cure. It imparts integral flexibility, superior adhesion and resistance to ultraviolet and infrared radiation. Ease of application, minimum shrinkage, fast skin formation, and primerless adhesion to most building materials and substrates make this an excellent choice for an all-purpose sealant.

B. RECOMMENDED USE:

GacoFlex 2100 MS Silyl-Modified Adhesive Sealant is designed to seal openings, gaps and laps in variety of roof repair applications.

C. LIMITATIONS:

Not recommended for:

- Unprimed masonry joints that will be subjected to continuous water immersion.
- On special architectural finishes without pretesting adhesion.
- Dynamic expansion joints

Should not be applied to:

- Frost bearing surface or when temperature is below 40ºF (4.45ºC).
- Highly plasticized gasket compounds without proper testing.

D. PACKAGED PRODUCT DATA:

PROPERTY	*DESCRIPTION*
COLOR* **	WHITE
ADHESION	Excellent adhesion to galvanized, galvalume, aged Kynar™, or similarly coated metals. GacoFlex 2100 MS Silyl-Modified Adhesive Sealant can be applied over aged existing silicone coatings.
STORAGE STABILITY	12 months when stored between 50 °F – 85 °F (10 °C – 30 °C). Do not allow product to freeze. Some separation may occur after extended storage. Mix thoroughly before use.
TOXICITY	Not for use in contact with edible substances or potable water.
V.O.C.	39.5 g / L EPA Method 24
DENSITY	12.88 lbs / gal (5.7 kg / 3.8 L)

E. TYPICAL PROPERTIES:

Characteristic	*Result*	*Test Method*
Composition:	Reactive Polymer	
Flash point	155°F (68.33°C)	
Percent Solids:	97% minimum	By weight
Hardness (Shore A):	25 - 35	ASTM C661
Paintability:	Compatible with most alkyds, enamels and lacquers	
Odor:	Mild before cure; none after cure.	
Vehicle Migration:	Pass	AAMA 800
Tensile Strength:	200 psi	ASTM D412
Peel Strength: (glass/aluminum)	20 p.i.w. Minimum	ASTM C794
Skin Time:	30 Minutes	¼" dia. Bead @ 77ºF ± 5ºF, 50% RH
Cure Time:	24 Hours	
Elongation:	300% Minimum	ASTM D 412
Service Temperature Range	-40°F to 200°F (-40°C to 93.3°C)	

F. APPLICATION

APPLICATION	INSTRUCTIONS
THINNING	Thinning is not recommended under normal conditions.
MIXING	Mix until homogeneous with a mechanical mixer before application to ensure uniform color and consistency.
SURFACE PREPARATION	Remove loose material, dirt, and other debris from the application area with a stiff bristle brush. SINGLE-PLY & SMOOTH SURFACES: Cleaning with a solution of 9-parts clean water to 1-part GacoWash Concentrated Cleaner per its instructions is recommended for best results. Allow the area to dry thoroughly. METAL: Remove rust and scale from metal surfaces with a wire brush and ensure application area is free of loose rust and scaling debris. Slick, pre-finished metal surfaces should be abraded with a wire brush or sandpaper and wiped with a clean, dry rag to ensure application areas is free of loose abrasion debris.
APPLICATION	GacoFlex 2100 MS Silyl-Modified Adhesive Sealant is designed for use with standard caulking guns or industrial pump and flow gun equipment, with approximately 30:1 ratio, can be used successfully for sealant application. Dry tooling is recommended. If necessary, dampen tool with a small amount of clean water.

	Apply sealant with a broad knife or stiff paintbrush. Apply at a maximum wet thickness of 1/4". Material shrinks on curing, which may take 24-48 hours, or more, depending on weather conditions. Allow to fully cure before applying additional sealant, or prior to top coating. Clean tools promptly with water. Use fabric reinforcement for flashings and lap seams. Embedding polyester fabric in the sealant should strengthen repairs to gaps or cracks exceeding 1/4-inch across. Use a three-course application by applying a layer of sealant, immediately embed fabric in sealant, and then recoat with a second layer of sealant. Allow curing. Do not apply GacoFlex 2100 MS Silyl-Modified Adhesive Sealant below 40°F (4.45°C) or in weather conditions where the temperature will fall below 40°F (4.45°C) during the cure cycle. The substrate temperature range for application is 40°F (4.45°C) – 120°F (48.9°C).
DRY TIME	Dry time: 2-3 hours to recoat at 75 ºF (24 °C) and 50% RH per coat of GacoFlex 2100 MS Silyl-Modified Adhesive Sealant. Low temperatures or high humidity conditions will extend cure times. Do not apply GacoFlex 2100 MS Silyl-Modified Adhesive Sealant when precipitation or heavy dew is expected within 4 hours (6–8 hours in high humidity conditions). GacoFlex 2100 MS Silyl-Modified Adhesive Sealant requires a topcoat, allow to cure a minimum of 4-6 hours at 75 ºF (24 °C) and 50% RH before applying topcoat. Full Cure 7 at 75°F (24 °C) and 50% RH
CLEAN UP	The best method for clean-up of uncured **2100 MS Silyl-Modified Adhesive Sealant** is the use of a clean dry rag. Wipe off any excess sealant then allow the residual to cure. Any residual sealant will appear hazy. This haze can be cleaned off using IPA or other suitable solvent. Cured sealant will need to be mechanically removed.

** For specific Health and Safety information, please refer to Safety Data Sheet (SDS)*