SILICONE SPECIFICATIONS
STANDING SEAM METAL ROOFS

PRODUCTS

FAR System™ products are formulated using a Polyurethane-Acrylic Hybrid technology and a High Solids Silicone technology providing outstanding weathering and waterproofing capabilities. (Refer to datasheets for more details)

Required Products:

1. Rinseable Primer™ is an environmentally friendly bio-degradable cleaner.
2. Rust Primer™ is a corrosion-resistant and rust-converting primer.
3. FiberSeal Caulk™ is a fiber reinforced Hybrid Polyurethane-Acrylic caulk.
4. FiberSeal Base™ is a fiber reinforced Hybrid Polyurethane-Acrylic sealant.
5. ProSil Finish HS™ is a High Solids Silicone membrane.

All materials must be part of the Fluid Applied Roofing products system (FAR System™ products)

RECOMMENDED SURFACES FOR APPLICATION

This specification is for Standing Seam Metal Roofs.

For all other surfaces, please consult your Fluid Applied Roofing representative.

APPLICATION CONDITIONS

The temperature of the surface to be coated should be between 41°F and 120°F (5°C and 60°C) and ambient temperature should be at least 5°F (3°C) above the dew point prior to and during application. Allow FAR System™ products to dry prior to being subjected to rain or heavy dew.

APPLICATION TEMPERATURE: 41°F to 140°F (5°C to 60°C)
TIME BETWEEN EACH APPLICATION: See the Dry Time chart at the end of this document.

INSTALLATION INSTRUCTIONS

1. A field adhesion test is required before installing Fluid Applied Roofing products.
2. Utilize a wet mil gauge during the installation of all FAR System™ products to ensure application compliance.
3. Warranties are only available when installed/inspected by a FAR® certified contractor/inspector.
4. **SURFACE PREPARATION:**
    A. Remove all asphalt patching products, silicone caulks, or other incompatible or loose repair products from the metal roof before installing the FAR System.
    B. If polyester fabric or butyl seam tape has been previously installed, remove sample sections to inspect for rust. If rust or moisture is present, remove all previously installed polyester fabric or butyl seam tape from the entire roof and prime with Rust Primer™. If panels are severely damaged, replace metal panels.
    C. Tighten all fasteners, replacing all loose or missing fasteners. If fasteners are stripped, use oversized fasteners to replace the stripped fasteners. Install additional fasteners as needed to close gaps in seams, flashing, etc.

D. After diluting the Rinseable Primer Concentrate™, per the mixing instructions, apply at **.25 gals per square (400 SF/gal)** to the roof substrate before installing any FAR System™ products. Do not allow to completely dry before power washing. Recommended application is with a hand pump low-pressure sprayer.
E. High-pressure wash utilizing a minimum 3000 psi pressure washer to remove dirt, loose coatings, loose rust, chalk, and other debris which could prevent adhesion.
F. Surface must be dry before installing the FAR System™ products.
G. Prime all rusted metal with Rust Primer™ at a rate of .5 gals per square.
H. Remove any existing patching materials from the cinch straps. Loosen the fasteners and insert a generous bead of polyurethane caulk around each fastener, between the cinch strap and the fastener on the top and bottom sides of the cinch strap. As an alternate, you can install butyl mastic between the roof panel and the cinch strap at each fastener hole. Tighten all fasteners to secure the cinch strap. Follow building manufacturers' recommendations on how to tighten cinch straps. Some require hand tighten only. Some manufacturers will allow you to permanently remove the cinch strap and install additional stitch fasteners at the lap. This is the best option if possible. Contact us for further information.

5. **LEAK-PROOFING APPLICATION:**
Spray apply FiberSeal Base™ to completely seal all seams and flashings as detailed below. Do not apply more than 80 wet mils in a single application. For best results set pressure between 1000-1600 psi. For gaps over 1/4" prefill with FiberSeal Caulk™ using a brush or roller.

A. **Panel end laps:** Ensure that the material is sprayed into the lap seam between the metal panels. Then the application must completely cover the seam and extended a minimum of 6" on each side of the end lap seam. Feather out the application to allow for smooth water flow across the end lap. Do not encapsulate the cinch straps with FiberSeal Base. The coverage rate is approximately 25 LF/gal.
B. **Fasteners:** This application must extend a minimum of 3" on each side of the fastener. The coverage rate is approximately 450 fasteners/gal.
C. **Roof Penetrations:** For all roof curbs, exhaust vents, rake details, ridge cap seams, and any other roof penetrations and flashing detail, this application must extend a minimum of 6" on each side of the seam or penetration. The coverage rate is approximately 25 LF/gal.
D. **Metal Closures:** This application must seal the entire metal closures under ridge caps and under any roof to wall details where metal closures may exist. The coverage rate is approximately 50 LF/gal.

1. **FLUID MEMBRANE APPLICATION:**
Do not apply more than 20 wet mils of ProSil Finish HS™ in a single application on vertical surfaces or surfaces over a 1:12 pitch.

A. **10-Year Warranty:** Apply ProSil Finish HS™ at 1.75 gals per square over the entire roof in a two-coat application.
B. **15-Year Warranty:** Apply ProSil Finish HS™ at 2.25 gals per square over the entire roof in a two-coat application.
C. **20-Year Warranty:** Apply ProSil Finish HS™ at 2.75 gals per square over the entire roof in a two-coat application. See the technical data sheet for details. **NOTE: Requires pre-approval.**

D. **Allow additional material to account for the stretch out of metal roof panels.** (Multiply square feet by approximately 1.25 to get square feet with stretch factor)

MIXING INSTRUCTIONS

Mixing is required.

EQUIPMENT RECOMMENDATIONS

SPRAY EQUIPMENT: For spray application, we recommend using a Graco GH 833 or equal for FiberSeal Base™ and a Graco GH 933 or equal for ProSil Finish HS™.
TIPS: The recommended tip size for the FiberSeal Base™ application is .043 and the recommended tip size for ProSil Finish HS™ ™ is .031. The fan width is based on application and preference.

PACKAGING INFORMATION

5 gallons (18.9 L) - Rust Primer™, FiberSeal Caulk™, FiberSeal Base™, and ProSil Finish HS™
55 gallons (208.1 L) - Rust Primer™, FiberSeal Base™, and ProSil Finish HS™
275 gallons (1040.9 L) - FiberSeal Base™, and ProSil Finish HS™

WARRANTY

This product is manufactured in accordance with ISO 9001-2008 standards. Seller and manufacturers' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising from the use or the inability to use the product for their intended use. The user assumes all risk and liability. Color fade is not covered under warranty.

DISCLAIMER

The information and recommendations outlined in this application specification are based upon tests conducted by or on behalf of Fluid Applied Roofing, LLC. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of the publication. Consult your Fluid Applied Roofing representative to obtain the most current information.

DRY TIME

The chart below is for reference only and will vary with sun and humidity. These are general guidelines determined at 50% relative humidity on a sunny day.

TEMPERATURE		RAIN & DEW RESISTANT	RECOAT	CURE
77° F	25° C	1 HOUR	4 - 6 HOURS	7 DAYS

Drying time is temperature, humidity, and film thickness dependent.

CLEAN UP

Do not allow material to remain in hoses, guns, or spray equipment. Thoroughly flush all equipment with naphtha or mineral spirits. Fluid Applied Roofing, LLC, including its employees, affiliates, and owners, is not liable for any injury, loss, or damage, direct or consequential, arising from any use of ammonia or other cleaning solution. The user assumes all risk and liability. Once the spray equipment is clean, follow the equipment manufacturers' recommendations for storage instructions.