FIBERMAXX®

STANDING SEAM METAL ROOFS

PRODUCTS

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

FiberMaxx® is a reinforced roofing system designed to leak-proof and resurface the entire roof, creating a seamless, durable roofing system in a single-pass application.

Required Products:

1. Rinseable Primer™ is an environmentally friendly, biodegradable cleaner.
2. Rust Primer™ is a corrosion-resistant and rust-converting primer.
3. FiberSeal Caulk™ is a fiber-reinforced Hybrid Polyurethane-Acrylic caulk.
4. FiberMaxx® is a fiber-reinforced Hybrid Polyurethane-Acrylic 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

Application during periods of low temperature or high humidity will extend the dry time. Maximum humidity 85%. Do not apply when rain is forecast or when temperatures are below 60°F (15.6°C). Allow FAR System™ products to dry before being subjected to rain, heavy dew, or temperatures below 50°F. (See Dry Time chart for information)

Wind loss calculations should be considered to achieve the correct DFT requirements.

APPLICATION TEMPERATURE: 60° F to 105° F (15.6° C to 40° C)
TIME BETWEEN EACH APPLICATION: See the Dry Time chart at the end of this document.
KEEP FROM FREEZING

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. Pour one 18-oz bottle of Rinseable Primer Concentrate™ into a 5-gal pail and fill it with water. Then, apply the mixture to the roof substrate at .25 gals per square (400 SF/gal) using a hand pump low-pressure sprayer. Do not allow the mixture to dry completely before power washing the roof. High-pressure wash utilizing a minimum 3000 psi pressure washer to remove dirt, loose coatings, loose rust, chalk, and other debris that could prevent adhesion.
E. Surface must be dry before installing the FAR System™ products.
F. Prime all rusted metal with Rust Primer™ at a rate of .5 gals per square.
G. Cinch Straps on the end laps – **Butler Metal Buildings Panels**:
    a. 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 alternative, you can install butyl mastic between the roof panel and the cinch strap at each fastener hole. Hand tighten all fasteners to secure the cinch strap. Follow building manufacturers' recommendations on how to tighten cinch straps. Contact your Account Executive for more information.
H. Cinch Straps on the end laps – **All Other Manufacturers Metal Panels**:
    a. 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 alternative, 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.
    b. **NOTE: Some manufacturers will allow you to permanently remove the cinch strap and install an additional (6) stitch fasteners at the end lap detail. This is the preferred option.** Contact your Account Executive for more information.

5. **FIBERMAXX® APPLICATION:**
A. Completely seal all seams and flashing details during the single-pass application of FiberMaxx®.
B. The seams and roof penetrations "Roof Details" must be completely encapsulated.
C. In addition to the gals per square required for each warranted system, you must also calculate the amount of FiberMaxx™ required to cover the "**Roof Details**". (Use the chart below to calculate the material required for all "Roof Details")
D. Do not apply more than 80 wet mils in a single application.
E. For best results, set the spray machine pressure between 1000-1600 psi.
D. For gaps over 1/4", prefill with FiberSeal Caulk™ using a brush or roller.
E. **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)

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Warranty	Rust Primer™	FiberMaxx®	End Laps	Fasteners	Roof Penetrations	Metal Closures
10-Year	0.5 gal/sq	2 gal/sq	170 LF/gal	6 sq/gal	170 LF/gal	340 LF/gal
15-Year	0.5 gal/sq	2.5 gal/sq	240 LF/gal	6 sq/gal	240 LF/gal	480 LF/gal
20-Year	0.5 gal/sq	3 gal/sq	400 LF/gal	6 sq/gal	400 LF/gal	800 LF/gal

NOTE: Panel end laps with cinch straps: When applying on a Butler Buildings Metal Roof, where the cinch strap must remain in place, spray FiberMaxx® into the end lap only, ensuring the cinch strap's weep holes remain open so water can flow through. **DO NOT ENCAPSULATE CINCH STRAPS WITH FiberMaxx®.**

MIXING INSTRUCTIONS

Mixing is required.

EQUIPMENT RECOMMENDATIONS

SPRAY EQUIPMENT: Graco GH 833 or equivalent.

TIP SIZES:

Product	Type	Tip	Tip	Tip	Tip
Rust Primer™	Graco Rac X	619	625	1219	1225
FiberMaxx®	Graco XHD	643	645		

PACKAGING INFORMATION

2 gallons (7.6 L) FiberSeal Caulk™
5 gallons (18.9 L)
55 gallons (208.1 L)
275 gallons (1040.9 L)

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	DRY HARD
100° F	38° C	1 - 2 HOURS	>24 HOURS
77° F	25° C	2 - 4 HOURS	>30 HOURS
60°F	15.6° C	4 - 6 HOURS	>48 HOURS

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

CLEAN UP

Remove the spray tip and spray tip guard, and clean the spray equipment and accessories with water until the water is clear. It is suggested to rinse the spray equipment and accessories with a mixture of ammonia and water after the spray equipment has been thoroughly cleaned with water. Add one gallon of ammonia to four gallons of water and run this mixture through the spray machine and accessories for approximately five minutes. If using ammonia, follow all applicable regulations, laws, and standards, including those regarding health, safety, and environmental protection. For example, utilize all proper personal protective equipment and do not spray the cleaning solution into the air. 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 manufacturer's recommendations for storage instructions.