

# TECHNICAL INFORMATION SHEET

## CLAD-GARD™ SA-FR Underlayment

**Item Description**

1 Roll

**Item Number**

W68FPP70ULM



### Product Information

**Description:**

Firestone CLAD-GARD SA-FR metal underlayment, which is a Styrene-Butadiene-Styrene (SBS) rubber modified, self-adhesive asphalt blend with a slip-resistant traction film on the top surface, an opaque release film on the bottom surface and provides external fire resistance. Firestone CLAD-GARD SA-FR is used as an underlayment with Firestone UNACLAD™ metal roof assemblies.

- Product high temperature: 230 °F (110 °C)
- Product can remain exposed for up to 120 days

**Method of Application:**

CLAD-GARD SA-FR metal underlayment can be installed over Firestone ISOGARD™ GL insulation, ISOGARD Composite insulation, ISOGARD HD Cover Board, IOSGARD CG insulation, plywood or OSB. CLAD-GARD SA-FR underlayment must be fully supported.

Note: Clad-Gard SA-FR

This product is appropriate for installation when ambient and substrate temperatures are a minimum 40 °F (4 °C). When the CLAD-GARD SA-FR will be installed in cold conditions under 50 °F (10 °C), it is recommended to use V-Force Water Based Primer or V-Force Solvent Based Primer.

Surfaces to receive CLAD-GARD SA-FR metal underlayment must be clean, smooth, dry, and free of sharp edges, loose and foreign materials, oil, grease, and other contaminants.

1. Start at the lowest part of the roof deck, and install valley conditions first. Lay the underlayment flat in place with the print side up.
2. Cut the CLAD-GARD SA-FR underlayment to a length that can be easily managed. Allow for 3" (76 mm) side laps and 6" (152 mm) end laps.
3. Peel half of the release liner off the roll diagonally at a 45° angle. Install by applying heavy, even hand pressure or brooming from the center of the sheet towards the outer edges. Remove the remaining release liner from the other half of the roll, and apply pressure in the same manner. Hand roll the laps to ensure adhesion.
4. In very steep slope applications, back nailing may be recommended. When back nailing, be sure that all nails are covered by the next overlapping sheet.

**NOTE: "Not Intended for Residential Applications"**

**Avoid direct contact of SBS products and flexible PVC products. Staining of PVC and/or liquefaction of SBS product may occur.**

**Storage:**

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 140 °F (60 °C).
- If material must be stored temporarily on the roof prior to application, it must be elevated from the roof surface on a pallet, stored on end, and protected from the weather with a light colored, opaque tarp in a neat, safe manner that does not exceed the allowable load limit of the storage area.

**Shelf Life:**

12 months

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### Coverage Rate:

Gross coverage is 222.5 ft<sup>2</sup>

### Precautions:

- Take care when transporting and handling Firestone Modified Bitumen rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Firestone Modified Bitumen membranes.
- Refer to product specific Safety Data Sheet (SDS) for additional information.

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### LEED® Information:

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Beech Grove, Indiana

NOTE: LEED® is a registered trademark of the U.S. Green Building Council



PREPARED ROOFING ACCESSORY AS TO AN  
EXTERNAL FIRE EXPOSURE WHEN APPLIED IN  
ACCORDANCE WITH INSTRUCTIONS INCLUDED  
WITH THE PREPARED ROOFING.  
R14463

## Typical Properties

Property	Test Method	Typical Performance
Thickness	ASTM D 5147	65 mils (1.65 mm)
Dimensions	---	39" x 67' (991 mm x 20.4 m)
Roll Weight	---	70lb/roll (35lb/100 sf)
Roll per Pallet	---	25
Roll Pallet Size	---	48" x 39" (1.2 m x 991 mm)
Top Surface	---	Anti-Skid Polyethylene
Bottom Surface	---	Opaque Silicone Release Liner
Maximum Load	ASTM D 2523	MD: 59      CMD: 38
Elongation at Break, min of modified bitumen portion	ASTM D 2523	MD: 48      CMD: 21
Adhesion to Plywood	ASTM D 903	2 lbf/ft @ 40 ± 2 °F, 12 lbf/ft @ 75 ± 2 °F
Thermal Stability	ASTM D 1204	0.0 in
Low Temperature Flexibility	ASTM D 1970	MD: Pass      CMD: Pass
Tear Resistance	ASTM D 4073	MD: 102 lbf      CMD: 78 lbf
Moisture Vapor Permeance	ASTM E 96 Procedure BW	0.01 Perms
Self-Sealability	ASTM D 1970	Pass
UL Classification	UL Class A, Unlimited Slope	Combustible Deck (minimum 15/32") Any Firestone Insulation (Optional) Any Firestone Metal Panel

Please contact Firestone Technical Services at 1-800-428-4511 for further information.

*This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.*