

CLAD-GARD™ SA Metal Underlayment



Item Description

CLAD-GARD SA - N
CLAD-GARD SA - S

Item Number

W6810RCGNR
W6810RCGST

Product Information

Description:

Firestone CLAD-GARD SA Metal Underlayment consists of a Styrene-Butadiene-Styrene (SBS) rubber modified, self adhesive asphalt blend with a woven slip resistant traction film on the top surface and an opaque release film on the bottom surface. Firestone CLAD-GARD SA Metal Underlayment is designed for use as an underlayment with Firestone UNA-CLAD™ metal roofing assemblies. CLAD-GARD SA underlayment is also suitable for use under mechanically attached tile and shingles. This underlayment reseals around nails in accordance with ASTM D 1970.

- Product installation temperature range for the north (N): 40 °F (4 °C) to 230 °F (110 °C)
- Product installation temperature range for the south (S): 50 °F (10 °C) to 250 °F (121 °C).
- Both can remain exposed up to 90 days.

Method of Application:

CLAD-GARD SA Metal Underlayment can be installed over Firestone ISO 95+™ GL insulation, HailGard™ Composite insulation, ISOGARD™ HD Cover Board, Resista™ insulation, plywood or OSB. CLAD-GARD SA underlayment must be fully supported. Contact your Firestone Roof System Advisor for details.

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.

1. Cut the CLAD-GARD SA underlayment to a length that can be easily managed. Allow for 3" (76 mm) side laps and 6" (152 mm) end laps.
2. Peel half of the release liner off the roll diagonally. 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.
3. 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.

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:

2 Years

CLAD-GARD™ SA Metal Underlayment

Coverage:

182 ft² (16.0 m²) Note: deduct applicable laps

Precautions:

- Review Safety Data Sheet (SDS).
- Take care when transporting and handling Firestone CLAD-GARD SA 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 CLAD-GARD SA membranes.

LEED® Information:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: Quebec, Canada



Packaging:

Roll Size: 3' (914 mm) roll width x 67' (20.4 m) roll length
 Roll Weight: 46.7 lb (21.2 kg)
 Rolls per Pallet: 25, Rolls per Truckload: 26

Typical Properties

Property	ASTM Standard	Nominal Values
Thickness:		40 mil (1.0 mm)
Dimension:		67 ft x 3 ft (20.4 m x 914 mm)
Roll Weight:		45.5 lb (20.6 kg)
Top Face:		Woven Polyethylene
Under Face:		Silicone Release Film
Maximum Load:	ASTM D 1970	64 / 88 lb/in (11.3 MD / 15.4 XD kN/m)
Elongation at Break:	ASTM D 1970	52 MD / 24 XD (%)
Static Puncture (N):	ASTM D 5602	90lb (400 N)
Peel Strength:	ASTM D 903	17.5 lb/in (3050 N/m)
Tear Resistance:	ASTM D 5601	84 / 90 lb (375 MD / 400 XD)
Cold Bending	ASTM D 1970	-22 °F (-30 °C)
Water Vapor Permeance:	ASTM D 1970	< 0.09 ng/Pa.s.m ² (< 0.016 perm)
Water Transmission:	ASTM E 96	No Wetness

Please contact Quality Building Services Technical Department 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.