Technical Information Sheet

Image Coming Soon

Clad-Gard™ SA Metal Underlayment

Item Description	Item Number
Clad-Gard SA–N	W6810RCGNR36
Clad-Gard SA-S	W6810RCGST36

Description

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. CLAD-GARD SA Metal Underlayment is designed for use as an underlayment with 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 Elevate ISO 95+™ GL insulation, HailGard™ insulation, ISOGARD™ HD Cover Board, ISOGARD HG composite insulation, plywood or OSB. CLAD-GARD SA underlayment must be fully supported. Contact your Regional Technical Coordinator 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.

NOTE: Avoid direct contact of SBS products with flexible PVC products. Staining of PVC and/or liquefication 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

2 Years

Precautions

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

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

Manufacturing Location: Quebec, Canada

Typical Properties	
Property	Value
Roll Width	3' (0.914 m)
Roll Length	67' (20.4 m)
Coverage (deduct applicable laps)	182 ft^2 (16.0 m^2)
Roll Weight	45.5 lb (20.6 kg)
Weight Per Pallet	1,738 lb (788 kg)
Rolls per Pallet	36
Rolls per Truckload	900
Pallet Size	42.75" x 42.75" (13 m x 13 m)
Coverage Per Pallet	6,552 ft^2 (609 m^2)

Typical Properties		
Property	ASTM Standard	Test Results
Thickness	---	40 mil (1.0 mm)
Dimension	---	67 ft x 3 ft (20.4 m x 0.914 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	90 lb (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 Holcim Technical Services at 800-428-4511 for further information.

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