

TECHNICAL INFORMATION SHEET

CLAD-GARD™ MA Metal Underlayment

TIS #2067

ITEM NUMBER: W6810RCGMA

Description:

CLAD-GARD™ MA Underlayment is a mechanically attached, synthetic metal roofing underlayment with slip resistant coating, ideal for use as an underlayment in steep slope, greater than 5:12, Firestone Metal Roofing Applications. CLAD-GARD™ MA Underlayment is also suitable for use under mechanically attached tile and shingles. CLAD-GARD MA Underlayment reseals around nails in accordance with ASTM D 1970. Its high temperature resistance withstands surface temperatures up to 230 °F (110 °C) and can remain exposed up to 90 days.



Method of Application:

CLAD-GARD MA underlayment can be applied over Firestone HailGard™ Composite insulation, ISOGARD™ HD Cover Board, Resista™ insulation, plywood or OSB. CLAD-GARD MA underlayment must be fully supported. Contact your Firestone Roof System Advisor for details.

1. Start at the lowest part of the roof deck, and install valley conditions first. Lay the membrane flat in place with the print side up.
2. Cut the CLAD-GARD MA underlayment to allow for 4" (101 mm) horizontal laps and 6" (152 mm) vertical laps on a minimum 5:12 roof slope. Overlaps should run in the direction of the flow of water in a shingling fashion.
3. Using a minimum 1" (25 mm) diameter cap nails, secure the underlayment by driving the nails squarely into the approved substrate.
4. Spacing should be 6" (152 mm) on center on both head and end laps, and 12" (305 mm) on center in the field area in the center of the roll. Note: please contact your Roof System Advisor for attachment recommendations for high wind areas.
5. Cap nails may be installed by hand or machine applied.

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).
- Install CLAD-GARD MA underlayment when the product is minimum 50 °F (10 °C) at the time of application.
- 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.

Precautions:

- Review Material Safety Data Sheet (MSDS).
- Take care when transporting and handling Firestone CLAD-GARD MA 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 Firestone CLAD-GARD MA membranes.

LEED Information:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 5%
Manufacturing Location: Nova Scotia, Canada

Packaging:

Roll Width:	4.0' (1.2 m)
Roll Length:	250' (76 m)
Coverage(deduct applicable laps):	915 ft ² (85 m ²)
Roll Weight:	29 lb (13 kg)
Rolls Per Pallet:	30
Pallets Per Truckload:	40

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Performance Properties:	ASTM Standard	Test Results	
Grab Tensile:	ASTM D 5034	Warp 132 lb (587 N)	Weft 114 lb (507 N)
Strip Tensile (N/5cm)	ASTM D 5035	Warp 94 lb/in (823 N/5cm)	Weft 82 lb/in (718 N/5cm)
Tongue Tear	ASTM D 2261	Warp 54 lb (240 N)	Weft 46 lb (205 N)
Trapezoidal Tear	ASTM D 4533	Warp 52 lb (231 N)	Weft 43 lb (191 N)
Mullen Burst	ASTM D 3786	200 psi (1379 kPa)	
Water Transmission	ASTM D 1970	No Wetness	
UV Weathering		UV Stabilizer added to coating for improved UV Resistance	
Fire Resistance Rating		Class A; ASTM E 108, UL 790, UBC 15-2	

Please Contact your Firestone Roof System Advisor at 1-800-428-4511 for further information.

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