

Technical Information Sheet



Clad-Gard™ MA Metal Underlayment

Item Description	Item Number
Clad-Gard MA	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, Elevate Metal Roofing Applications. CLAD-GARD MA Underlayment is also suitable for use under mechanically- attached tile and shingles. CLAD-GARD re-seals around nails in accordance with ASTM D 1970. Its high temperature resistance withstands surface temperatures up to 230 °F (120 °C) and can remain exposed up to 90 days.

Method of Application

CLAD-GARD MA underlayment can be applied over HailGard™ Composite insulation, ISOGARD HD Cover Board, Resista™ insulation, plywood or OSB. CLAD-GARD MA underlayment must be fully supported. Contact your Regional Technical Coordinator 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 Regional Technical Coordinator 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).

Storage Continued

- 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 Safety Data Sheet (SDS).
- Take care when transporting and handling 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 CLAD-GARD MA membranes.
- Cap nails may telegraph through panel face if left in place.

Manufacturing Location: Nova Scotia, Canada

Product Data	
Property	Value
Roll Width	4' (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

Typical Properties		
Property	ASTM Standard	Test Results
Grab Tensile	ASTM D 5034	Warp 132 lb (587 N) Weft 114 lb (507 N)
Strip Tensile (N/5 cm)	ASTM 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
Water Vapor Permeance, max	E96 Procedure B	< 0.03 perms (1.7 Ng/Pa·s·m ²)
UV Weathering	---	UV Stabilizer added to coating for improved UV Resistance
Fire Resistance Rating	ASTM E 108	Class A: UL 790, UBC 15-2

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

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim 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 Holcim representative is authorized to vary this disclaimer.