

## METALAYMENT™

### Waterproofing Underlayment

#### Product Information



**Product Use:** Metalayment™ is an advanced waterproofing underlayment for metal, shingle, slate and mechanically-fastened tile roofs. It is specially formulated to resist high roof temperatures under metal roofs.

**Product Composition and Features:** Metalayment is a self-adhering waterproofing membrane composed of a tough, fiber glass reinforcement that is impregnated and coated with SBS modified asphalt. Metalayment has a tough, tear-resistant film on its top surface that will not scratch roofing metal applied over it. The adhesive bottom surface of Metalayment is protected with a disposable silicone-coated release film, which is split longitudinally down the middle for easier application.

**Applicable Standards:** Metalayment underlayment is manufactured on state-of-the-art, dedicated roof lines. Metalayment meets or exceeds ASTM D1970; UL 790: Classified for use as underlayment beneath Class A, B, or C fire rated shingle systems; ICCES approval (ESR-1492).

**Limitations:** Do not expose Metalayment permanently to sunlight. Cover Metalayment as soon as possible with a permanent roof surface. The maximum exposure time is six months. Metalayment will not adhere to wet or cold surfaces. Refer to instructions on the carton for additional nailing and sealing instructions. Metalayment is a vapor barrier. Therefore, if Metalayment is applied over a majority of the roof deck, proper deck ventilation must be provided. If Metalayment must contact sealants or cements, use solvent-based products sparingly, following manufacturer's instructions carefully. Excessive use of solvent-based adhesives can damage Metalayment's polymer modified asphalt coating. Do not use silicone-based sealants, as they do not maintain adequate long-term adhesion to asphalt. Low-slope application: Metalayment can be applied beneath shingles, slate and tile to acceptable decks with slopes of 2"/12" or greater and beneath metal to acceptable decks with slopes of 0.5"/12" or greater. Metalayment is specially designed to withstand temperatures up to 250° F. Metalayment may become slippery under certain weather conditions. When this occurs, avoid walking or crawling on the product.

#### Technical Data

##### Description

Roll Area (sq. ft.)	200
Roll Length (ft.)	61
Roll Width (in.)	39-3/8
Side Laps (in.)	4
End Laps (in.)	6
Approximate Weight	54 lbs. per roll
Packaging (rolls/carton)	1
Packaging (cartons/pallet)	20

##### Test Description

##### Test Method

##### Results

Tensile Strength @ 73.4°F:	ASTM D5147 MD/XD	35/35 lbs./in.
Elongation @ break, minimum of Modified Bitumen portion	ASTM D5147 MD/XD	>10%
Adhesion to Plywood:	ASTM D1970	30 lbf./ft.
Flexibility Temperature:	ASTM D1970	-20°F
Tear Strength:	ASTM D5147 MD/XD	35/35 lbf
Thickness:	ASTM D5147	60 mils

## **Storage**

Store MetaLayment rolls in their packaging in a dry, protected area at a temperature not exceeding 110° F.

## **Product Application**

**Deck Preparation:** Clean the roof deck until it is free of dirt, dust, nails and other materials. Providing a clean, dry and smooth deck surface is important to assure proper adhesion of the MetaLayment to the deck. Before application to existing roofs, remove all roofing materials including the roofing felt and nails.

**Priming:** Priming is not necessary for clean and dry wood decks. Concrete and masonry deck surfaces and oily metal surfaces require priming with an asphalt primer meeting ASTM D41 standards, such as CertainTeed's FlintPrime™, or equivalent. Before MetaLayment is applied, primer must be dry. Follow manufacturer's instructions for the application of the primer.

Apply by the "peel and flop" method, utilizing the two-piece split-sheet release film feature to adhere longitudinal halves, one at a time. It is best to cut the product into manageable lengths of about 10 feet when applying MetaLayment by this method.

Applying MetaLayment is strongly recommended wherever there is a possibility of ice build-up. Many building codes require that the upper edge of ice dam protection extend no less than 24" beyond the interior wall line of the exterior walls. In areas of severe icing, it is recommended that MetaLayment be applied at least up to the highest water level expected to occur from ice dams. In order to assure waterproofing, overlap all membrane side laps and end laps per technical data table, press all overlaps firmly with a membrane seam roller, and offset end laps at least 2' from course to course.

**Application of Drip Edges at Rakes and Eaves:** At the rake, the drip edge may be installed under or over MetaLayment. At the eaves, when the MetaLayment does not overlap the gutter or fascia, the drip edge must be installed under MetaLayment. At the rake or eaves, when MetaLayment overlaps the gutter or fascia, drip edge or other metal must be installed over the MetaLayment to protect it against damage from exposure.

**Low-Slope Metal, Shingle, Slate or Tile Application:** MetaLayment can be applied under these roofing materials to provide protection against the infiltration of wind-driven rain on low slope applications.

### **ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:**

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS  
GYPSUM • CEILINGS • INSULATION • PIPE

[www.certainteed.com](http://www.certainteed.com)    <http://blog.certainteed.com>

CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482

Professional: 800-233-8990  
Consumer: 800-782-8777

Rev 3/12 ©2010 CertainTeed Corporation, Printed in U.S.A.  
Code No. COMM-259

