

## 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.\*

**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 come into contact with 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.

**Product Composition and Features:** Metalayment is a self-adhering waterproofing membrane composed of a tough, fiberglass 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, that is split longitudinally down the middle for easier application.

#### Description

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

**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; ICC-ES approval (ESR-1492) and Miami-Dade.

### Technical Data

**Support Mat:** Dimensionally-stable, fiberglass reinforced mat.

<b>Test Description</b>	<b>Test Method</b>	<b>Results**</b>
<b>Tensile Strength @ 73.4°F:</b>	ASTM D5147 MD/XD	35/35 lbs./in.
<b>Elongation @ break, Minimum of Modified Bitumen Portion</b>	ASTM D5147 MD/XD	>10%
<b>Adhesion to Plywood:</b>	ASTM D1970	30 lbf./ft.
<b>Low Temperature Flex:</b>	ASTM D1970	-20°F
<b>Tear Strength:</b>	ASTM D5147 MD/XD	35/35 lbf
<b>Thickness:</b>	ASTM D5147	1.5 mm (60 mils)

\*NOTE: May not be suitable under copper roofing. Consult a design professional before installing to ensure adequate temperature resistance.

\*\*NOTE: Published results are nominal production values confirmed by independent laboratory testing.

## **Product Application**

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

**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 ensure 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 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' 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 ensure 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.

## **Warranties**

CertainTeed offers Limited (product only) and No Dollar Limit (NDL, product and workmanship) warranties. Warranty type and duration is dependent on roof system configuration and contractor selection. Only CertainTeed Gold and Silver Star Contractors are eligible to apply for NDL warranties on specific roof projects. For more information, see CertainTeed Commercial Roof Systems Specifications or contact Commercial Roofing Technical Services.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2.

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