INSTALLATION INSTRUCTIONS FOR ROOFING UNDERLAYMENT

Issued by BEM Direct Supply LLC

Mercy TitanFlex Roofing Underlayment, part of the MERCY product family, is a premium synthetic roofing underlayment designed for steep-slope roofing applications. it provides effective air, water, and vapor barrier properties water barrier. Product designed specifically for steep slope roofs mechanical application. Stands out for its exceptional strength, long-lasting durability, and ease of use, surpassing latest industry norms.

Underlayment boasts a four-layer design, incorporating a Circular loom woven scrim and a Spunbonded PP non-woven laminate as its top layer. Each layer receives UV protection, and the underside is treated with an elastomer for anti-slip safety. Follow all building codes applicable to your geographic region and structure and construction type.

STORAGE

★ Roofing Underlayment should be stored at room temperature, upright in the original package in a dry and properly ventilated area.

★ Keep away from open flames, sparks and harmful substance, and store away from any carcinogenic elements. Only rolls intended for the same-day installation should be removed from the storage area & packing.

USE

★ MERCY Roofing Underlayment must be covered by primary roofing materials within 180 days of application. It is designed for use under asphalt and synthetics shingles, Metal Roofing, Tile, Slate and Cedar Shakes.

★ This product does not require removal of a release liner like other self-adhered products and therefore avoids complications associated with installing a self-adhered underlayments. No more wasted materials during the installation process or issues removing the underlayment from the deck for re-roof or alterations.

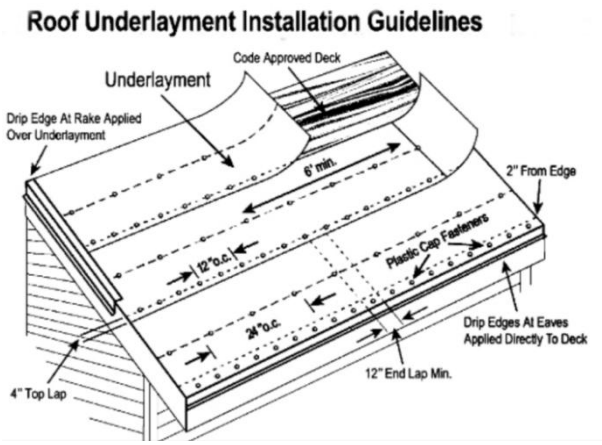
ROOF DECK PREPARATION

★ Protrusions from the deck area must be removed and roof decks shall have no voids, damaged or unsupported areas. Deck surfaces shall be free of debris, be dry and moisture free.

★ MERCY Roofing Underlayment may be applied directly to a plywood, OSB, or concrete roof surface and should be fully covered as soon as possible or within 180 days of installation. Priming of the deck is not required for attaching to wood surfaces when the temperature is above 40°F.

★ For cold weather applications its suggested to have a recommended primer prior application of MERCY roofing underlayment.

★ For re-roofing projects any damaged sheathing of any kind must be replaced, roof deck to be cleaned to remove dust dirt and other loose materials including sharp objects like nails. Make sure the deck is free from any kind of debris before installation.



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Do not install over old roof covering materials.

★ It's not recommended to use mineral salts for removal of ice or snow.

APPLICATION

★ For best results MERCY Roofing Underlayment should be installed on a dry roof deck when ambient air temperatures, membrane and substrate is over 40° F (4.4°C).

★ For low slope applications between 2:12 and 4:12 it is recommended to double the vertical and horizontal overlap.

★ For slopes 4:12 and greater MERCY Roofing Underlayment is to be installed horizontally (parallel to the eave) with the printed side up using the provided lap lines. Use 6" vertical laps and 4" horizontal laps. In case of special requirement, underlayment can be laid vertically also. Underlay- ment to be installed in shingle lap fashion starting at the bottom edge of the roof deck to ensure that the water runs over the overlaps without getting under the material. Align the underlayment to the edge of the rake and eaves. It should be applied under the metal drip edge along the rakes and over the metal drip edge along the eaves unless otherwise specified by local building codes. Do not fold the underlayment over the roof edge unless this edge is to be subsequently covered over by a drip edge or other flashing material.

★ For eave installation MERCY Roofing Underlayment should be applied over the metal drip edge at the eave. This should be installed above the maximum ice dam build-up line in most geographic areas. Consult your local building code for specific requirements.

★ Repair holes, fish mouths, tears, and any other penetration damage to the MERCY Roofing Underlayment with a round self-adhered patch or synthetic underlayment with suitable adhesive. It should be extending the damaged area by 6 inches in all directions and ensure no damages.

★ For higher elevations, high wind or wind driven rain it is recommended to cover the entire roof deck with MERCY Roofing Underlayment.

★ FOR USE IN FLORIDA, UNDERLAYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF SECTIONS 1507 AND 1518 OF THE FBC.

FASTENERS

Standard requirement (all projects)

★ Secure MERCY with 1 in. (25 mm) plastic-cap nails or plastic-cap staples (cap ≥ 1 in. Ø, cap ≥ 0.035 in. thick, shank ≥ 0.083 in. Ø), driven perpendicular and flush to the deck: 6 in. (150 mm) o.c. along side & end laps and 12 in. (300 mm) o.c. in the field.

★ Conditional allowance — NON-HVHZ only: Outside designated High-Velocity Hurricane Zones (HVHZ), and only when the primary roof covering will be installed within the same calendar day, MERCY may be temporarily fastened with:

- 16-ga. narrow-crown staples (7/16 in. crown, 1 in. leg min.), or

- standard roofing nails (≈ 3/8 in. head),

provided that:

- No precipitation is forecast and sustained winds remain ≤ 15 mph (24 km/h), and
- Any section left uncovered or exposed beyond 24 hours is immediately re-fastened using the standard plastic-cap schedule above.

★ HVHZ / high-wind areas (e.g., Miami-Dade & Broward Counties, FL): Plain staples or non-cap nails are not permitted. Use only plastic-cap nails or tin-tab fasteners in accordance with local code requirements. .

★ Code precedence: Where local building regulations are more restrictive than these instructions, follow the local code. .

★ Warranty note: Use of uncapped staples or non-cap nails outside the conditional allowance above voids the MERCY Limited Warranty and may violate building code.

PRECAUTIONS

★ MERCY Roofing Underlayment is not designed or intended for indefinite outdoor exposure. Final roof should be installed within 180 days of membrane installation.

Depending on roof pitch and surface conditions, "blocking" may be required to support roofing material placed on the roof. Remember to seal the fastener holes that secured that blocking after they have been removed.

★ Protect any completed roof areas to avoid damage during roof installation and material transportation by installing protective boardwalks to enable passage of people, equipment and products across the area.

★ Be careful not to load excess material on the roof deck in one area. Disburse the weight of material over structural supports where possible to prevent collapse of roof.

CAUTION-READ GOOD SAFETY PRACTICES BELOW

★ As with any roofing product, always follow safe roofing practices and codes (OSHA) and always use wear proper fall protection equipment when working on roofs. Release liners are slippery, and any kind of slippery materials should be removed from work area immediately after application.

★ Use caution when walking or standing on underlayments as slip resistance may vary with surface conditions, weather, footwear, and roof slope.

★ Failure to use proper safety equipment and footwear can result in serious injury.

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