



FOR USE UNDER TILES, METAL OR WOODEN SHAKES

Meets the following certifications: PermaFelt Underlayment Codes: ICC-ES AC 188 (ESR-3126); Florida (FL6902); Meets and exceeds D226 criteria.

VentiMat™ INSTALLATION GUIDELINES

- ❑ VentiMat™ must be installed above properly ventilated spaces, as per local building codes, and is considered to be a vapor barrier.
- ❑ The roof deck must be swept clean of dirt and debris and be smooth and dry before installation. VentiMat™ is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.
- ❑ A razor blade or utility knife is recommended for cutting PermaFelt™.
- ❑ VentiMat™ should be installed when the ambient air and substrate temperatures, at the time of installation, are above 40°F (4°C).
- ❑ VentiMat™ is laid horizontally (parallel to the eave) with the matrix side up with 4 inch (10 cm) head laps and 4 inch (15 cm) side laps. Align head laps with the expected direction of flow of water in a shingling manner. The matrix should be separated from the base felt and trimmed off to allow for the 4 inch side lap.
- ❑ VentiMat™ should generally be used at slopes of 2:12 or greater. Follow the local building codes for low slopes as defined as 2:12 to 4:12 and steep slopes greater than 4:12 applications.
- ❑ In cases where the matrix is in the way of a felt to felt lap, carefully peel back and trim off the matrix.
- ❑ In normal wind zones, VentiMat™ is attached to the roof with nails or staples having 1 inch (2.5 cm) diameter plastic caps or tin caps spaced at 6 inches (15 cm) on center on both head and end laps and 12 inches (30 cm) on center in the field area in the middle of the roll. Field fastening may be eliminated when roof cover is installed immediately after VentiMat™ installation.
- ❑ Nails may be hand or machined applied but should be driven squarely into the deck to secure caps flush to the underlayment.
- ❑ In high wind zones, or coastal applications, decrease the spacing to 4 inches (10 cm) on center on both head and end laps with 12 inches (30 cm) on center in the field area. Field fastening may be eliminated when roof cover is installed immediately after VentiMat™ installation unless prohibited by local codes.
- ❑ In areas subject to wind speeds in excess of 90 mph (145 km/h) (UBC), or wind speeds in excess of 110 mph (177 km/h) (IBC and IRC), VentiMat™ should be applied as per Sections 1507.2.8.1 of the IBC and Section R905.3.3.3 of the IRC.
- ❑ For roofs required to have an ice barrier under the IBC or IRC, or a severe climate underlayment under the UBC, a self-adhered polymer modified bitumen sheet, complying with ASTM D1970 or the ICC-ES Acceptance Criteria for Severe Climate Underlayment (AC48) shall be applied. The severe climate underlayment shall be applied over the solid substrate in sufficient courses that the underlayment extends up the roof a distance equal to the distance inside the exterior wall line of the building that is specified in the appropriate section of the applicable code. The VentiMat™ underlayment shall overlap the severe climate underlayment.
- ❑ The use of staples (No. 16 gage stainless steel staples with a minimum 7/16 inch (1.1 cm) crown) to attach VentiMat™ is permitted only when the final roof cover is to be installed immediately following the installation of VentiMat™.
- ❑ VentiMat™ should be covered by the final roof covering as soon as possible as it is not designed for indefinite outdoor exposure. It is recommended that the final roof covering should be installed as soon as possible after the installation of VentiMat™.
- ❑ These installation instructions also apply to reroof applications.

SAFETY PRECAUTIONS

Read before use. Refer to MSDS for additional information.

- ❑ CAUTION! Slippery when wet or covered with mud, dust, frost, ice or snow.
- ❑ Comply with all OSHA or other standards and codes for roof work and safety.
- ❑ Always use a Fall Protection System when working on roofs.
- ❑ Use roof jacks with planks, toe boards or storage platforms secured to the substrate to prevent slippage of stored material.
- ❑ Dispose of waste in accordance with local regulations.

Perma "R" Products, Inc.

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