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# GAF LiveRoof® Module System Installation Guidelines

Updated 02/23/2021





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## GAF Eligible Membranes

### 1. Products

- a. EverGuard® TPO membrane
  - i. Minimum 45 mil thickness (smooth or fleece-back)
  - ii. Adhered attached only
- b. EverGuard Extreme® TPO membrane
  - i. Minimum 50 mil thickness (smooth or fleece-back)
  - ii. Adhered attached only
- c. EverGuard® PVC membrane
  - i. Minimum 50 mil thickness (smooth or fleece-back)
  - ii. PVC membranes with Elvaloy (KEE) are acceptable
  - iii. Adhered attached only

### 2. Installation

- a. Install membrane roofing system in accordance with the GAF TPO/PVC Adhered Roofing System Overview & General Requirements Manual.
- b. Electronic Leak Detection (ELD) Systems, complying with ASTM D7877, Standard Guide for Electronic Methods for Detecting and Locating Leaks in Waterproof Membranes or a ASTM D 5957, Standard Guide for Flood Testing Horizontal Waterproofing Installations may be used.
- c. A moisture survey complying with either ASTM D7954 / D7954M - 15a, Standard Practice for Moisture Surveying of Roofing and Waterproofing Systems Using Non-Destructive Electrical Impedance Scanners or ANSI/SPRI/RCI NT-1, Detection and Location of Latent Moisture in Building Roofing Systems by Nuclear Radioisotopic Thermalization are recommended and should be completed after installation of the GAF roofing system and prior to the LiveRoof Module System installation.



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- d. A pre-inspection by a GAF Field Service Representative (FSR) is required prior to the installation of the LiveRoof Module System.
- e. A Slip Sheet/Protection Layer is required between the roofing membrane and the LiveRoof Module System. See GAF Slip Sheet/Protection Layer section below.

### 3. Guarantee Coverage

- a. In order to be eligible for the GAF LiveRoof Addendum to the EverGuard® Diamond Pledge NDL Roof Guarantee, you must enter the LiveRoof LLC Limited Warranty agreement with your LiveRoof contractor of record and comply with its requirements, including preventative maintenance.
- b. Follow all terms and conditions outlined in the GAF LiveRoof Addendum to the EverGuard® Diamond Pledge NDL Guarantee.
- c. Maximum term of the GAF Diamond Pledge NDL Guarantee is 35 years.
- d. Any issued TPO guarantee up to 30 years in length is eligible for a GAF WellRoof™ extension; maximum guarantee length including WellRoof™ is 35 years.
- e. Any issued PVC guarantee up to 25 years in length is eligible for a GAF WellRoof™ extension; maximum guarantee length including WellRoof™ is 30 years.

## GAF Slip Sheet/ Protection Layer

### 1. Products

- a. For EverGuard® TPO systems, TPO membrane
  - i. Minimum 45 mil thickness
  - ii. Loose-laid over an eligible GAF TPO membrane with heat-welded seams.
- b. For EverGuard® PVC systems, PVC membrane
  - i. Minimum 50 mil thickness
  - ii. Loose-laid over an eligible GAF PVC membrane with heat-welded seams.



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- c. Non-woven polyethylene or felt are not approved slip sheet/protection layer and should not be used with LiveRoof Module System installations.
    - i. Minimum 50 mil thickness
    - ii. Loose-laid over an eligible GAF PVC membrane with heat-welded seams.
- 2. Installation - Conventional Membrane Roof Assemblies (non-Inverted Roof Membrane Assemblies)
  - a. Install slip-sheet/protection layer loose-applied over the roofing membrane surface so that wrinkles and buckles are not formed.
  - b. Install slip-sheet/protection layer so that the side laps run across the roof lapped towards the drainage points.
  - c. Overlap slip-sheet/protection layer a minimum of 6" (152 mm) for all side and end laps as needed. Heat-welding of the seams is not required and is optional. Refer to GAF detail drawing LR-01.
  - d. In cases where electronic leak detection may be desired, a fiber-backed drain board may be used. Fiber-backed drain boards are only recommended when electronic leak detection is desired, and only when vegetated with Sedums or Sempervivums, or other succulents, as these plants are sparsely-rooted and not prone to rooting into the fiber of the drain board.

## **GAF LiveRoof Module System**

- 1. Installation
  - a. Install the LiveRoof Module System over the slip sheet/protection layer in accordance with the LiveRoof Installation Guide and GAF LiveRoof architectural details.
  - b. LiveRoof projects are installed only by LiveRoof Certified Installers.
  - c. Contractors must be trained by LiveRoof representatives in the proper method of LiveRoof systems installation.
  - d. Contact LiveRoof to become or find a Certified Installer in your area.
- 2. Maintenance
  - a. GAF and LiveRoof recommend preventative maintenance as outlined in the LiveRoof Maintenance Guide and the LiveRoof LLC Limited Warranty.