



EverGuard® TPO Roofing Systems Guarantee Requirements

January 1, 2014

20, 25, 30, and 35 Year Diamond Pledge® NDL System Guarantee Requirements

| System Attachment | Maximum Guarantee Length | EverGuard® Extreme™ TPO Membrane | EverGuard® TPO Membrane | Insulation Requirements |
|--|---|----------------------------------|-------------------------|---|
| Mechanically Attached | 20 Years | 50-80 mils | 60-80 mils | As required by Current Design Table(s) |
| | 25 Years <i>New Construction and Tear-Off Only</i> | 60-80 mils | 80 mils | Minimum of 2 layers of insulation |
| | 30 Years <i>New Construction and Tear-Off Only</i> | 70-80 mils | n/a | Minimum of 2 layers of insulation |
| Fully Adhered RhinoBond & Ballasted | 20 Years | 50-80 mils | 45-80 mils | As required by Current Design Table(s) |
| | 25 Years <i>New Construction and Tear-Off Only</i> | 50-80 mils | 60-80 mils | Minimum of 2 layers of insulation; top layer must be adhered for fully adhered systems |
| | 30 Years <i>New Construction and Tear-Off Only</i> | 60-80 mils | 80 mils | Minimum of 2 layers of insulation; top layer must be adhered for fully adhered systems |
| | 35 Years <i>New Construction and Tear-Off Only</i> | 80 mils | n/a | Minimum of 2 layers of insulation; top layer must be an adhered coverboard* for fully adhered systems |
| Additional Requirements | | | | |
| Building Height Limitations | Buildings greater than 100' in height must have a minimum 3' parapet wall to be eligible for an extended length Diamond Pledge™ guarantee. Note: Ballasted roofing systems may not exceed 100' in height. | | | |
| Air Barriers | <ul style="list-style-type: none"> An air barrier is required where large wall openings greater than 25% of a total wall area can be open during a wind storm, including opening due to storm damage. An air barrier is required for mechanically attached systems using 10' wide sheets when installed with side lap attachment that exceeds 6" o.c. | | | |
| Seams | Seams of the TPO membrane must be made using a robotic welder in the field of the roof, obtaining a minimum 1 ½" weld. Any hand welds must be a minimum of 2" in width. | | | |

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|------------------------------|---|
| GardenScapes™ Systems | Eligible for the same length of guarantee when all criteria listed above are met. |
|------------------------------|---|

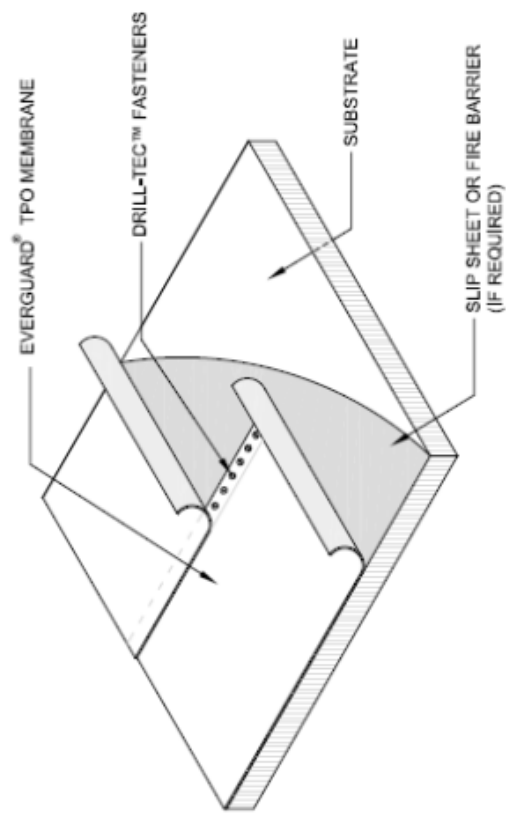
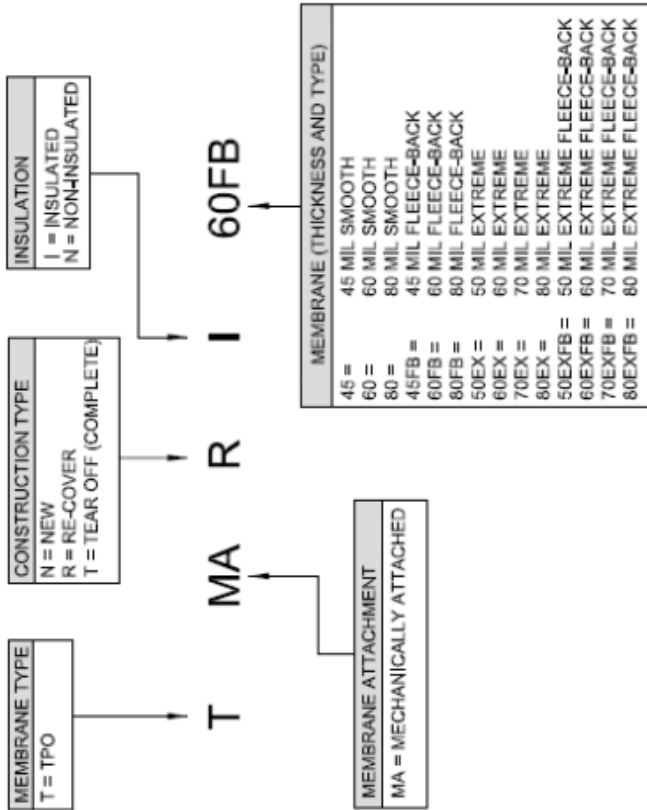
Additional Requirements (continued from previous page)

| | |
|--|---|
| Flashings, Roof Edges, and Flashing Accessories | <p>For guarantees greater than 20 years:</p> <ul style="list-style-type: none"> • Separate counter flashing or cap flashing is required; exposed termination bars are not acceptable. • Use EverGuard® TPO Cover Tape Heat Weld at roof edges. • Galvanized-base metal edging is not acceptable. • Regardless of membrane type, EverGuard Extreme® flashing accessories are required. • Unsupported EverGuard Extreme® flashing membrane is available and is required on areas where pre-fabricated accessories cannot be used or are unavailable. |
| Insulation | GAF EnergyGuard™ insulation must be used in roofing systems to be guaranteed by GAF. |
| WellRoof® Guarantee Extension | Any issued guarantee up to 30 years in length is eligible for the GAF WellRoof® Guarantee Extension; maximum guarantee length, including WellRoof® Guarantee Extension, is 35 years. |

* Adhered coverboard (e.g., h/d woodfiber or iso, gypsum, etc.) with bottom layer either mechanically attached or adhered, depending on deck and attachment requirements.

Specification Plates

INSULATED & NON-INSULATED TPO MECHANICALLY ATTACHED SYSTEMS SPECIFICATION PLATE

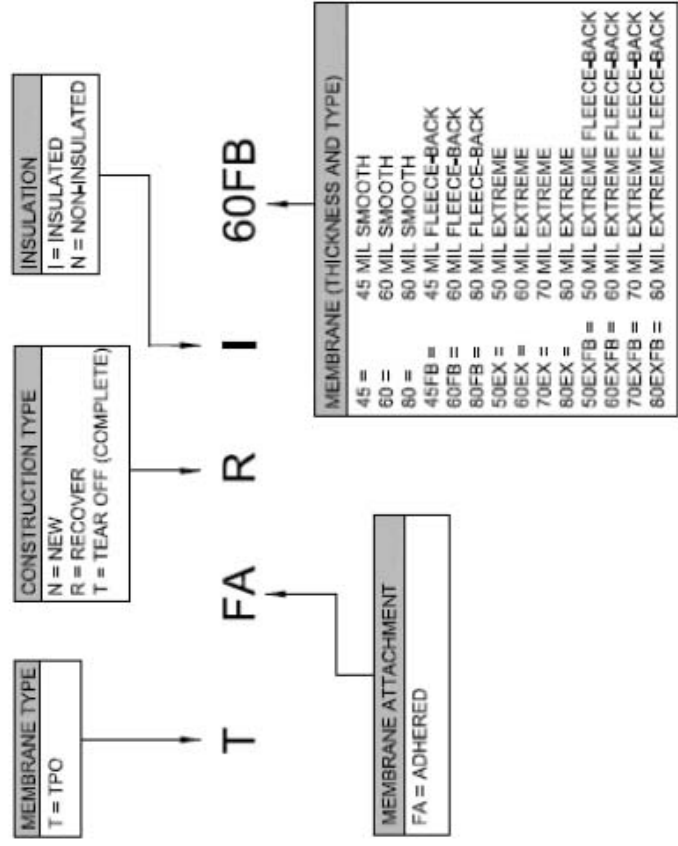
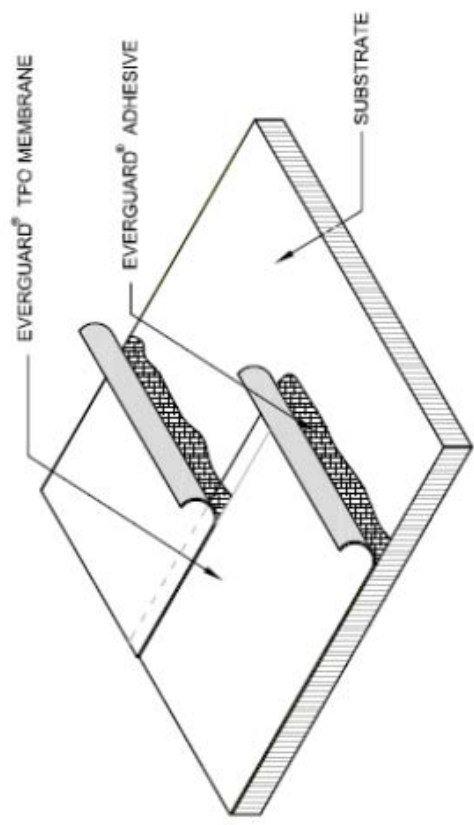


| MEMBRANE TYPE | MEMBRANE ATTACHMENT | CONSTRUCTION TYPE | INSULATION | GUARANTEE LENGTH UP TO (YEARS) | | | |
|---------------|---------------------|-------------------|------------|--------------------------------|------|-----------------|-----------------|
| | | | | 15 | 20 | 25 ² | 30 ² |
| T | MA | N | I | 45 | 60 | 80 | 70EX |
| | | R' | N | 45FB | 60FB | 80FB | 70EXFB |
| | | T | | 50EX | 60EX | 80EX | 80EXFB |
| | | | | MINIMUM MEMBRANE REQUIREMENTS | | | |
| | | | | 15 | 20 | 25 ² | 30 ² |

1. For a non-insulated re-cover with smooth membrane only: Slip sheet or fire barrier required; 3/16 oz. polymat or VersaShield® Solo™ Fire-Resistant Slip Sheet.
 2. New & tear-off only. Refer to Guarantee Program section for additional requirements on extended-length guarantees.



INSULATED & NON-INSULATED TPO ADHERED SYSTEMS SPECIFICATION PLATE

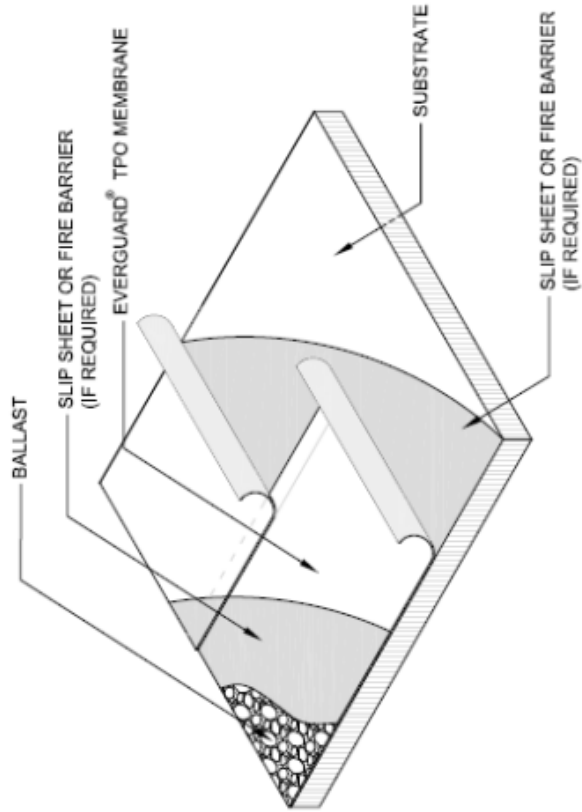


| MEMBRANE TYPE | MEMBRANE ATTACHMENT | CONSTRUCTION TYPE | INSULATION | GUARANTEE LENGTH UP TO (YEARS) | | | |
|-------------------------------|---------------------|-------------------|------------|--------------------------------|--------|--------|--------|
| | | | | 20 | 25 | 30 | 35 |
| T | FA | N | I | 45 | 60 | 80 | 80EX |
| | | R | N | 45FB | 60FB | 80FB | 80EXFB |
| | | T | | 50EX | 60EX | 70EX | 80EXFB |
| | | | | 50EXFB | 60EXFB | 70EXFB | 80EXFB |
| MINIMUM MEMBRANE REQUIREMENTS | | | | | | | |

1. New & Tear-off only. Minimum 2 layers of Insulation. Refer to Guarantee Program section for additional requirements.



INSULATED & NON-INSULATED TPO BALLAST APPLIED SYSTEMS SPECIFICATION PLATE



MEMBRANE TYPE
T = TPO

CONSTRUCTION TYPE
N = NEW
R = RECOVER
T = TEAR OFF (COMPLETE)

INSULATION
I = INSULATED
N = NON-INSULATED

MEMBRANE ATTACHMENT
BA = BALLAST APPLIED

MEMBRANE (THICKNESS AND TYPE)

| | |
|----------|----------------------------|
| 45 = | 45 MIL SMOOTH |
| 60 = | 60 MIL SMOOTH |
| 80 = | 80 MIL SMOOTH |
| 45FB = | 45 MIL FLEECE-BACK |
| 60FB = | 60 MIL FLEECE-BACK |
| 80FB = | 80 MIL FLEECE-BACK |
| 50EX = | 50 MIL EXTREME |
| 60EX = | 60 MIL EXTREME |
| 70EX = | 70 MIL EXTREME |
| 80EX = | 80 MIL EXTREME |
| 50EXFB = | 50 MIL EXTREME FLEECE-BACK |
| 60EXFB = | 60 MIL EXTREME FLEECE-BACK |
| 70EXFB = | 70 MIL EXTREME FLEECE-BACK |
| 80EXFB = | 80 MIL EXTREME FLEECE-BACK |

MEMBRANE ATTACHMENT
BA = BALLAST APPLIED

MEMBRANE TYPE
T = TPO

CONSTRUCTION TYPE
N = NEW
R = RECOVER
T = TEAR OFF (COMPLETE)

INSULATION
I = INSULATED
N = NON-INSULATED

MEMBRANE ATTACHMENT
BA = BALLAST APPLIED

MEMBRANE (THICKNESS AND TYPE)

| MEMBRANE TYPE | MEMBRANE ATTACHMENT | CONSTRUCTION TYPE | INSULATION | GUARANTEE LENGTH UP TO (YEARS) | | | |
|---------------|---------------------|-------------------|------------|--------------------------------|------|------|--------|
| | | | | 20 | 25 | 30 | 35 |
| T | BA | N | I | 45 | 60 | 80 | 80EX |
| | | R | N | 45FB | 60FB | 80FB | 80EXFB |
| | | T | N | 50EX | 60EX | 70EX | 80EXFB |
| | | | | MINIMUM MEMBRANE REQUIREMENTS | | | |
| | | | | 20 | 25 | 30 | 35 |

1. New & Tear-off only. Minimum 2 layers of insulation. Refer to Guarantee Program section for additional requirements.

Note: If reusing ballast: Slip sheet or fire barrier required; 3/6 oz. polymat or VersaShield[®] Solo[™].