



We protect
what matters most™

GAF TPO Universal Roof Anchor

UNIVERSAL STRUCTURAL FIXING FOR ROOF MOUNTING

PRODUCT DESCRIPTION

GAF TPO Universal Roof Anchor is a pre-assembled universal structural fixing point provides a secure connection directly to the roof deck or structural members, thereby taking the wind load off of the membrane or roof cover and onto the structural deck where it belongs. Once secured in place, properly installed Everguard® TPO Anchor can help to eliminate rack movement and remain watertight.

Uses

Universal structural fixing point for:

- Roof mounted products to Everguard® TPO roofing membrane on Metal Deck or Concrete Roof Substrates

Characteristics / Advantages

- Excellent resistance to weathering
- Excellent weldability to Everguard® TPO membrane
- Fast installation
- Adaptable for different substrates and mounting requirements

Membrane Colour

White, light grey

Packaging

Pre-assembled, 15 sets per carton

Storage Conditions / Shelf-Life

To be stored in dry conditions protected from direct sunlight, rain and snow. Product does not expire if correctly stored.

Material Basis

Everguard® TPO Membrane / Stainless Steel Grade 316 Fixing Point / Galvanized Steel base plate

Mass per unit area

335g / set (+/- 15g)



SYSTEM INFORMATION

Uses

Compatible with Everguard® TPO membrane.

For usage on a single ply roofing system, the substrate or thermal insulation layer needs to have sufficient strength to transfer the compressive load to the substrate without significant deformation. In case of mineral wool insulation a rigid cover board is required. Base plate shall be fixed with substrate compatible fastening systems recommended by BMI.

The base plate has to be installed with a minimum of 4 pieces of recommended fastener. Project specific pull out and pull over tests of the complete Anchoring system are recommended to determine the Anchor performance system. Tested Anchor Design load based on 0.7mm (Base Steel Thickness) Aluminium Zinc Coated Steel Deck fixed with 4 pieces of Drill-Tec XHD fasteners are max. 5kN pull out and 1.5kN pull over loads.

INSTALLATION INSTRUCTIONS

Installation Method / Tools

Clean Everguard® TPO membrane and install the GAF TPO Universal Roof Anchor with recommended fastener through the roofing membrane and substrate into the crest of the metal deck or into the smooth finished solid concrete.

Weld the Everguard® TPO membrane flange by electric hot air welding equipment, such as manual hot air welding guns and pressure rollers.

Recommended type of equipment: Leister Triac PID (manual welding).

Extend GAF TPO Universal Roof Anchor with compatible M12 Threaded Bar and attach roof mounting products such as PV Mounting Structures or Decorative Cladding System

Fastener Type

GAF TPO Universal Roof Anchor must installed with one of the following fastener:

- Metal Deck: Drill-Tec XHD Fastener (minimum 20mm through the deck penetration)
 - Concrete Deck: Drill-Tec #14 Fasteners (minimum 25mm through the deck penetration)
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Notes on Installation / Limits

Installation works must be carried out only by instructed and approved roofing contractors.

Temperature limits for the installation of the Everguard® TPO Anchor:

Substrate temperature: -30° C min. / +60° C max.

Ambient temperature: -20° C min. / +60° C max.

Basis of Product Data

All technical data stated in this Product Data Sheet are based on off site tests. Actual measured data may vary due to circumstances beyond our control.

Protective Measures

Fresh air ventilation must be ensured, when working (welding) in closed rooms. Local safety regulations must be observed.

Disposal

The material is recyclable. Disposal must be according to local regulations.

In view of innovation, the specifications are subject to change without any prior notice and in the event of such changes, GAF shall ensure that the new specifications are equivalent if not better.



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