

Monday, 30th July 2018

Everguard and Everguard Extreme TPO Roof and Deck Membranes - Technical and Installation Information

Product Description

Everguard and Everguard Extreme TPO Roof and Deck Membrane Systems are single ply, polyester fabric reinforced, thermoplastic polyolefin (TPO) fully bonded waterproofing sheet membranes for roofs and decks.

Scope of use

Everguard and Everguard Extreme TPO Roof and Deck Membrane Systems are for use as roof and deck waterproofing membranes on buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; or,
- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with respect to building height and maximum floor plan area when subject to specific structural design; and,
- with building structures designed and constructed to meet the requirements of the NZBC; and,
- with substrates of plywood or suspended concrete slabs; and,
- with minimum falls for roofs of 1:30 and decks of 1:40
- with decks that have a maximum area of 40 m²; and ,
- situated in NZS 3604 Wind Zones, up to, and including Extra High.

Everguard and Everguard Extreme TPO Roof and Deck Membrane Systems are also for use as roof and deck waterproofing membranes on buildings within the following scope:

- subject to specific structural and weather tightness design; and,
- with substrates of plywood or suspended concrete slab; and,
- situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 3 kPa; and,
- with the weather tightness design of all junctions for each specific structure being the responsibility of the building designer.

Roofs and decks waterproofed with Everguard and Everguard Extreme TPO Roof and Deck Membrane Systems must be designed and constructed in accordance with the following limitations:

- nominally flat roofs and decks and pitched roofs constructed to drain water to gutters and drainage outlets complying with the NZBC; and,
- with no integral roof gardens; and,
- no steps in level within the deck area, no integral roof gardens and no downpipes direct discharge to decks; and,
- with deck membranes continually protected from physical damage by a pedestrian protection system.

The design and construction of the substrate and movement and control joints is specific to each building, and therefore is the responsibility of the building designer and building contractor.

Technical Details as listed are available:

- 101 – 10/06/2015 EverGuardTPO – Everguard Parapet Flashing
- 102 – 10/06/2014 EverGuardTPO – Everguard Parapet Wall Alternative
- 103 – 03/03/2015 EverGuardTPO – Everguard Drip Edge Alternative
- 104 – 03/03/2015 EverGuardTPO – Everguard Drip Edge System
- 105 – 10/06/2014 EverGuardTPO – Everguard Barge Flashing System
- 106 – 10/06/2014 EverGuardTPO – Everguard Barge Flashing Alt
- 107 – 10/06/2014 EverGuardTPO – Everguard Parapet – Termination Bar
- 108 – 10/06/2014 EverGuardTPO – Everguard Barge Termination Bar
- 109 – 03/03/2015 EverGuardTPO – Everguard Barge Wrap Detail
- 201 – 10/06/2014 EverGuardTPO – Everguard Chase Flashing System
- 202 – 10/06/2014 EverGuardTPO – Everguard Chase Flashing System
- 203 – 10/06/2014 EverGuardTPO – Everguard Transition – Wall
- 204 – 10/06/2014 EverGuardTPO – Everguard Skylight Flashing System
- 301 – 10/06/2014 EverGuardTPO – Everguard Transition – Metal Roof
- 302 – 10/06/2014 EverGuardTPO – Everguard Transition – Shingle Roof
- 303 – 03/03/2015 EverGuardTPO – Metal Roof to TPO Transition
- 304 – 10/06/2014 EverGuardTPO – Shingle Roof to TPO Transition
- 305 – 10/06/2014 EverGuardTPO – Everguard TPO to Aluminium Joinery
- 306 – 03/03/2015 EverGuardTPO – Substrate / Flashing Joint
- 401 – 03/03/2015 EverGuardTPO – T-Joint / End joint Details
- 402 – 10/06/2014 EverGuardTPO – Pre-formed Inside Corner
- 403 – 10/06/2014 EverGuardTPO – Folder Inside Corner
- 404 – 10/06/2014 EverGuardTPO – Fabricated Inside Corner
- 405 – 03/03/2015 EverGuardTPO – Fluted Outside Corner
- 406 – 03/03/2015 EverGuardTPO – Wall/Curb Outside Corner
- 408 – 10/06/2014 EverGuardTPO – Dressed Batten Detail
- 501 – 03/03/2015 EverGuardTPO – Pipe Penetration
- 502 – 10/06/2014 EverGuardTPO – Split Pipe Boot
- 503 – 03/03/2015 EverGuardTPO – High Temperature Stack Flashing
- 504 – 10/06/2014 EverGuardTPO – Pourable Sealant Pocket
- 505 – 10/06/2014 EverGuardTPO – Square Tube Wrap
- 506 – 03/03/2015 EverGuardTPO – Drain Dropper
- 507 – 03/03/2015 EverGuardTPO – Coated Metal Scupper
- 508 – 03/03/2015 EverGuardTPO – Overflow Parapet Drain
- 509 – 03/03/2015 EverGuardTPO – Premolded Pipe Boot
- 601 – 15/07/2015 EverGuardTPO – Floor Jack Pedestal – Deck
- 602 – 15/07/2015 EverGuardTPO – Floor Jack Pedestal – Termination
- 603 – 15/07/2015 EverGuardTPO – Floor Jack Pedestal – Paving Tiles
- 604 – 15/07/2015 EverGuardTPO – Floor Jack Pedestal – Door Sill