



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 weathertightness 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 weathertightness 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