



EverGuard TPO

CONCRETE SUBSTRATE CHECKLIST

Concrete Specification for EverGuard TPO

- Structure complies to the New Zealand Building Code and concrete complies with NZS 3101 (2006).
- Surface smooth and clean with falls as per plan.
- Cavities and cracks filled, flushed off and cured.
- Concrete surface firm with any soft concrete or laitance removed.
- Roof drains and overflow recesses formed to fit rebated outlets.
- Construction joints incorporated in slab as per designers' specification.
- Substrate clean, firm and suitable condition for laying GAF EverGuard TPO.

Contact us for further information.

Poured Concrete Notes

• Should be properly cured prior to application of the roofing system. Check curing agents for compatibility with roofing materials. Prior to the installation of the roof assemblies, GAF recommends the evaluation of surface moisture and deck's dryness through the use of ASTM D4263

Relative humidity of concrete substrates must be 75% or less before application. (This can be verified with the use of hygrometer)

• Should be poured over removable forms or must provide for bottom side drying. Poured-in-place structural concrete decks that are poured over non-vented metal decks or pans that remain in place can trap moisture in the deck under the roof system.

• The underside of the concrete decks, either the vented metal forms or exposed concrete, should remain unobstructed to allow the escape of water vapor. Materials that

retard the flow of vapor should not be installed directly below the deck. Foil-faced insulation secured to the bottom of the deck, spray-on fireproofing, or paint, which obstruct the venting of the concrete, are just three examples of things that can trap moisture in the concrete deck below the roof.

• GAF recommends that a vapor retarder be used directly over any poured structural concrete installed over non-removable form decks or any impermeable substrate and requires the use of a vapor retarder for lightweight aggregate structural concrete decks in this configuration.

• GAF is not responsible for moisture-related problems associated with any deck materials.

Project Details:

Licensed Installer:

Date:



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For additional information, contact GAF Technical Support New Zealand at **0800 423355** or technical@gaf.nz

