



**VIKING GM GEMINI APP
IS BRANZ APPRAISED
AND WAS NEW
ZEALAND'S FIRST
CODEMARK CERTIFIED
TORCH-ON SYSTEM.**

TORCH-ON MEMBRANE PROTECTS ROOF AND DECK – AUCKLAND

CHALLENGE: A NEW HOUSE WAS BEING BUILT IN A HIGH-END RESIDENTIAL AREA OF AUCKLAND. THE ROOF FLOWED NICELY TO A DECK SECTION, WHICH PROVIDED A WONDERFUL VIEWING PLATFORM FOR THE COAST. THIS UPMARKET HOME REQUIRED A TIDY, PRISTINE FINISH THAT WOULD BE IN-KEEPING WITH THE NEIGHBOURING HOUSES. THE DETAILED DESIGN OF THE ROOF MADE WATERPROOFING A CHALLENGE... AND THEN THERE WAS THE DECK...

Solution

Seeking a solution that would also be suited to an exposed coastal environment was another consideration. The waterproofing applicator was consulted on the project and suggested the use of Viking GM Gemini APP; a two-layer torch-on modified bitumen membrane system to meet all criteria.

All areas of the concrete and plywood substrates were primed before the Gemini APP base sheet was torch-applied. The Gemini APP cap sheet was then torched over the top of the base sheet, providing a total membrane thickness of 7mm – significant protection. Ensuring all areas of the roof were watertight was no mean feat – the difficult design meant that the membrane had to be applied to some tricky curves. Being a torch-on system, it is easy to manipulate and mould through the use of heat to deal with curves, contours and upstands.

Planning was also vital to ensuring the installation was a watertight and aesthetic success. The membrane was installed with the seams running at right angles to the upstands. This not only ensured the best look, it allowed for significantly easier installation, as detailing and waterproofing upstands was much simpler with the seams running in this direction – also ensuring maximum water-tightness.

Gemini APP was also used as the waterproofing component of the deck. Seeing a floating deck would be installed on top, the Gemini APP would be torched to the deck substrate while Viking Buzon screwjack pedestals would be placed on the membrane, to support the floating structure and allow water to drain freely under it and away from the building.

Result

The end result was exactly what the home owners were looking for. They were conscious of how critical waterproofing is. They wanted a membrane system installed only by a licensed applicator and backed by a warranty of substance; one that had been appraised to meet New Zealand's harsh conditions. With Viking GM Gemini APP being BRANZ Appraised AND being New Zealand's first CodeMark certified torch-on system; they had the right product being applied on their house.

The roof and deck finishes were pristine and watertight. The product warranty ensured that the materials would last for the minimum of the 20 year period.

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