



**PROTECTED  
FROM THE  
ELEMENTS BY  
A NEW VIKING  
WARM ROOF.**

## REROOF OF ICONIC AUCKLAND THEATRE – BRUCE MASON CENTRE

**CHALLENGE:** THE ROOFING MEMBRANE ON THE ICONIC BRUCE MASON THEATRE IN TAKAPUNA HAD REACHED THE END OF ITS USABLE LIFE AND BEGUN TO LEAK... BUT 'THE SHOW NEEDED TO GO ON'. IAN HAY, SENIOR ARCHITECT AT GHD, SOUGHT ADVICE FROM VIKING ROOFSPEC – PROFESSIONALS IN THE SUPPLY OF WATERPROOFING SYSTEMS WHOSE TECHNICAL TEAM WAS ENGAGED TO VERIFY THE EXISTING ROOF'S INTEGRITY AND THEN PROPOSE AN APPROPRIATE SOLUTION.

### Solution

The solution needed to meet specific criteria: provide a watertight finish; stiffen the existing 'bouncy' substrate; work around shows and weather; cope with a large ventilation system on the roof; resolve ventilation in the roof cavity; and adhere to compliance issues with the historic roof structure.

One system shone above the rest - The Viking Warm Roof. Able to be laid on top of the existing roofing membrane - a Warm Roof comprises of rigid insulation boards installed on top of the roof structure. These are then covered with any of Viking's sheet waterproofing membranes. In this instance, a weldable, 3.0 metre wide-sheet Enviroclad membrane."

The Viking Warm Roof System offered the following attributes to protect the iconic theatre and its visitors:

- Resistance to very high coastal winds.

- The ability to overlay the old membrane, so no need to open roof and expose the interior. This also meant reduced wastage, labour and environmental costs as the current membrane did not need to be removed and dumped.
- No need for roof cavity ventilation seeing as Warm Roof takes the dew point to the outside of the building.
- The polyisocyanurate insulation boards would add both energy efficiency to the building and structural integrity to the roof substrate.
- BRANZ appraised, therefore tested for NZ conditions, thus fulfilling the Auckland City Council's requirements.
- Installed by an experienced, Viking Roofspec Licensed Applicator to ensure a watertight, professional finish.

- Backed by a Viking Full System Warranty, which covers both materials and workmanship in the one document for 20 years - 'The buck stops with Viking Roofspec'.

After meeting and discussing specifications with the architect; several theatre properties staff; and the Auckland City Council staff, a Viking Warm Roof overlay was deemed the best solution. An installation programme was then devised to meet the timetable requirements of the theatre.

### Result

The show went on, as visitors to the Bruce Mason Theatre relaxed and enjoyed the performance, whilst being protected from the elements by a new Viking Warm Roof.

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