



**VIKING BITUCLAD
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‘THE PEAK’ – QUEENSTOWN HILL

CHALLENGE: A MAGNIFICENT PROPERTY DESIGNED BY RENOWNED ARCHITECTS MASON & WALES, WAS BEING CONSTRUCTED ATOP THE PEAK OF QUEENSTOWN HILL. A FULLY ADHERED MEMBRANE SYSTEM WAS ORIGINALLY SPECIFIED FOR THIS LOW SLOPE ROOF. HOWEVER, THE ANTICIPATION OF COMPROMISED ADHESION DUE TO THE APPLICATION OF ADHESIVES IN VERY COLD TEMPERATURES, MEANT THAT THIS WASN'T PRACTICAL FOR THIS TIME OF YEAR. THE CONSTRUCTION TIMETABLE DICTATED THAT THE ROOFING SYSTEM STILL NEEDED TO BE INSTALLED IN WINTER. THIS PROJECT WAS: IN QUEENSTOWN; ON A HILL; IN THE DEPTHS OF WINTER; WITH SNOW AND ICE MOST DAYS; WITH THE TEMPERATURE CONSISTENTLY BELOW 0 DEGREES CELSIUS. SO VIKING ROOFSPEC AND ITS APPROVED APPLICATOR DECIDED THAT A MORE APPROPRIATE MEMBRANE SYSTEM SHOULD BE SPECIFIED FOR APPLICATION.

Solution

Fortunately, Viking Roofspec is a 'solutions provider' who, in this instance, recommended to all key stakeholders another system suited for the environmental conditions – Viking Bituclad torch-on membrane.

Being a torch-applied membrane, the installation of Viking Bituclad negated the adhesive issue, as a flame is used to melt the underside of the bituminous membrane on to the roof i.e. no adhesive is required. This meant that Viking Bituclad could be installed in cold temperatures.

Viking Bituclad has several varieties, one of which is specially-formulated for managing extreme climate variations. Bituclad S.B.S. (styrene butadiene styrene) is a rubberised asphalt with elastomeric properties. This provides the membrane with excellent tolerance of extreme temperatures, with a 'cold-flexibility-before-break' rating of -15 degrees Celsius, meaning this elastomeric membrane is designed to manage large temperature fluctuations between winter and summer without fracturing. Central Otago temperatures range from consistently below 0 degrees Celsius in winter to 30+ degrees Celsius in summer.

Result

This was an illustration of Viking and its applicator using their technical expertise to match an appropriate membrane solution to the project's requirements. Additionally, Viking was so confident in the specification and the experience of the applicator, that a Viking Full System Warranty was issued for this project. This meant that the product and installation warranties were both covered in one warranty document for a 20-year period. The applicator was very pleased with the final result, commenting; "Viking Bituclad SBS allowed us to complete the project in the harshest of temperatures and conditions and still get a perfect finish on time."

Note : Viking Bituclad has now been replaced with Viking GM Lybra SBS

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