

**RYDGES HOTEL - QUEENSTOWN**

**CAR PARK WATERPROOFING CASE HISTORY**

<b>Problems</b>	<ol style="list-style-type: none"> <li>1. Years of leaking from roof car park area into the restaurant, hallways etc. A total waterproof solution was required before refurbishment of the hotel.</li> <li>2. The sources of water ingress could not be located due to a tar/chip seal and gravel topping over concrete.</li> <li>3. The existing tarseal and gravel surface was visually unpleasant and in places difficult to walk on. Areas of the car park are used by guests for photographic purposes as a fabulous lake/mountain view forms the background.</li> </ol>
<b>Repair Method</b>	<ol style="list-style-type: none"> <li>1. Remove failed tarseal topping with bobcat scrapers, concrete planers and grinders. 25 tons of topping was removed.</li> <li>2. Repair holes, channels etc with epoxy mortar.</li> <li>3. Cove all joints, barrier post plates etc with Vulkem sealant.</li> <li>4. Grind out all cracks and fill with Vulkem sealant and apply reinforcing tape.</li> <li>5. Apply Vulkem elastomeric trafficable waterproofing membrane.</li> <li>6. Waterblast the asphaltic/concrete area, seal with solvent free epoxy and aggregate and apply the Vulkem elastomeric trafficable waterproofing membrane.</li> </ol>
<b>Owners</b>	Rydges Hotels Resorts
<b>Site</b>	Rydges, Queenstown.
<b>Results</b>	<p>100% waterproofing. Excellent trafficable wearing properties. An aesthetically pleasing surface (light grey) in place of failing tar seal and gravel. Light weight (5 kg/m<sup>2</sup>) solution.</p>

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