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## **Case History – Bathurst City Council Tank Repair**

<i>Month/Year</i>	Sept 01
<i>Products</i>	<b>NMP 1720 Heavy-duty protective coating with Kevlar</b>
<i>The Problem</i>	Bathurst City Council, in NSW, had a substantial leak in a new concrete tank, Kelso Number 17. The tank has a ‘one-piece’ poured floor, with ‘infill areas’ surrounding the pipe work penetrations. Divers carried out an inspection and found cracking in the ‘infill’ areas due to insufficient width and the usage of a different batch of concrete to that used in the main pour. All work was to be performed underwater as draining the tank wasn’t an option.
<i>The Solution</i>	The cracks were wire brushed to remove any surface contaminants and loose concrete particles. A ‘modelling clay’ type material was applied over the cracks to stem the water flow caused by 12 metres of head pressure inside the tank. NMP 1720 epoxy was applied with a stiff, plastic spatula over the top of the initial sealing material, encapsulating it within the completed repair.
<i>Notes/Comments</i>	There was an immediate slowing down of external leakage, and all flow had ceased by the next day. There would have been a substantial volume of accumulated water under the tank, and this accounted for the continuing, but decreasing flow over the 24-hour period. The repairs have been monitored over a two-year period, and the NMP epoxy has continued to maintain good adhesion to the concrete floor without cracking or deterioration.