



**Client:**

The Venetian Hotel, Las Vegas,  
Nevada, USA

**Specialist Contractor:**

Expansion Specialities Inc.,  
Henderson, NV

**Products Used:**

Emseal SJS System

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## The Venetian Hotel, Las Vegas

### Case Study

The pool deck at any Casino Hotel is always one of the key property attractions, but having a wide movement joint running right through it posed functional and aesthetic challenges at the Venetian. The original design involved a cover plate that was invasively anchored on one side over a looped membrane acting as a gutter to take water away. As always with this type of system it leaked. It had probably always leaked in fact, causing damage to the expensive internal finishing's and allowing potentially damaging water penetration into the structure itself.

The Emseal SJS system provided the ideal solution, with non-invasive anchoring and all installed from the deck surface above, without the need to disrupt the occupied floors below, plus eliminating any need for gutters, as well as a recessed integral cover plate. Additionally the pool deck coating system was also able to be applied and taken beneath and over the cover plates for optimal aesthetics.



As part of this solution the existing invasive anchors were also removed, as they presented a long term corrosion risk having already begun to corrode in several areas. The joint edges were saw-cut straight and the arrises reformed as required, then the Emseal SJS movement joint sealing system was installed, with access only required from above.

Emseal is ideal for new construction and retrofit works, providing three-dimensional watertight solutions and the installation can be phased for minimum disruption.