

Multi-Substrate Application

Project: The Mirage Hotel Volcano Water Feature, Nevada



The Mirage Volcano was an unusual application—and a demanding one—but CIM 1000 met many project requirements, including the most critical: application time.

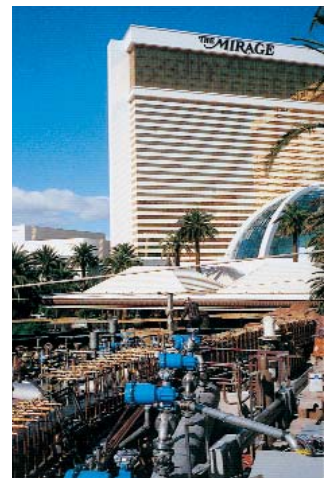
The Mirage Hotel's Volcano is considered one of Las Vegas' must-see attractions. Every evening from dusk until midnight, what seems to be a peaceful waterfall is transformed into a fiery volcano as brilliant orange flames shoot 100 feet into the air.

Originally, another product was specified to line the lagoon. However, the moisture-cured coating required three coats to achieve the required mil thickness and a cure time of at least 24 hours between

coats. The hotel could not afford the costly downtime that would extend the project by several days. However, CIM 1000 could coat the surface to the required thickness in one day, a fraction of the time of the other product. It could also withstand the intense UV exposure of the Nevada sun.

The volcano was constructed with a broad range of materials that included concrete, CMU, stainless steel, copper and PVC. This challenging application required a coating that could adhere to and bridge between a variety of surfaces, while protecting the pump and control rooms below.

The substrates were first given a profile, cleaned and dried. CIM 1000 Trowel Grade was used to detail around the numerous penetrations. Following a set-up time of about four hours, a 100 mil coating of CIM 1000 was squeegeed over the entire volcano floor and rolled up the CMU walls. In a single day, the critically important coating was complete.



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