

PROJECT:

Water Feature of Major Hotel
Recoat and Waterproof
Large Water Fountain

LOCATION:

Macau, China

APPLICATOR:

Hydrotech Waterproofing Solutions
Hong Kong

COATING SYSTEM:

EPL™ 8, Prep Wipe
and AMP™ 100 UB Polyurea
60-80 mils

TOTAL AREA:

21,000 sq. ft.

COMPLETION DATE:

August 2012

PROBLEM:

A luxurious Macau hotel wanted to upgrade their impressive entrance water feature attraction by adding over 3000 new lights, water cannons and fire displays. The new additions would require new penetrations in the previously installed waterproofing membrane, exposing the feature to leaks. Waterproofing the feature was critical. The control room that houses the expensive electronics crucial to operating the resort, casino and water feature sits directly beneath the feature.

SOLUTION:

The existing water feature was coated and waterproofed nearly eight years ago with SPI's AMP™ 100 by Hydrotech Waterproofing Solutions of Hong Kong. The resort once again turned to Hydrotech for a solution. Given a 17 day window to complete the entire project, Hydrotech knew they needed a unique coating. They chose SPI's modified aliphatic AMP™ 100 UB polyurea. Unlike most spray applied polyurea, AMP™ 100 UB has a "UB" molecule giving it the advantage of adhering to both new and aged coatings,

typically without the use of a primer or extensive surface preparation. Formulated to provide a tenacious bond, the "UB" molecule eliminates the need to remove the old coating, an important time and money saving measure.

Once the fountain was drained, multiple crews were simultaneously working to complete the project. As the penetrations were made, and the electrical and plumbing ran through them, they were sealed with SPI's hand applied EPL™ 8. With all penetrations completed and sealed, the entire surface was washed down and wiped clean with SPI's Prep Wipe. Black AMP™ 100 UB was applied at 60-80 mils over the old coating in the fountain in order to retain a uniform color.

RESULTS:

The project was completed well ahead of schedule due to the AMP™ 100 UB capabilities, and the perseverance of the Hydrotech Waterproofing Solutions crew. The fountain with its new features was unveiled at the end of August.



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