

CASE STUDY | PROFESSIONAL



EPPERSON CRYSTAL LAGOON

METRO DEVELOPMENT GROUP
AIC PAINTING, LAND-O-LAKES, FL



DRYLOK®

PROBLEM: Need for fast drying, easy to use, cost-effective, durable, and aesthetically pleasing waterproofing coating for a poured concrete lagoon.

The Epperson Crystal Lagoon is a 7.5-acre man-made waterfilled oasis built as an amenity to a 2000 home Epperson housing development in Wesley Chapel, FL, just north of Tampa. The lagoon features blue purified water, sandy beaches, a swim-up bar, grab & go food and rentals of recreational watercraft. Approximately 2000 visitors a day experience this one of a kind waterpark.

The lagoon employs a new patented water filtration system that purifies the water with 100 times less chemicals than a typical community swimming pool and only 2% of the energy.



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According to Jay Canals, President for AIC Painting, the coating applicator for the project, "The lagoon designer originally specified a complicated, multi-component coating product for the project. "We were aware of the benefits of DRYLOK for an application like this." A test of the proposed system versus DRYLOK EXTREME was conducted. "The proposed coating system did not work as it dried too fast. We suggested DRYLOK EXTREME as we had used it on other pond and lagoon projects."

There was a concern that the coating would absorb the blue dye used in the water. "When we tested DRYLOK EXTREME, it worked extremely well," added Canals. "The dye residue on the samples washed right off. DRYLOK EXTREME did everything it was supposed to do."

Powdered DRYLOK was also used and applied to the critical areas around cast concrete sump boxes that were initially leaking groundwater. "We consulted our UGL Sales Manager, Glenn Russell, who offered the Powdered DRYLOK as a potential solution for this constantly submerged box. Powdered DRYLOK worked perfectly."

Due to the compressed timeline for a scheduled grand opening that featured Olympic Gold Medalist, Michael Phelps set to christen the new facility, putting the lagoon in service fast was a priority.

"With the easy and user-friendly application of DRYLOK EXTREME, we were able to speed through the project and stay ahead to the media opening schedule," explained Canals.

Upon completion, the area is planned for 37,000 homes and 12 million feet of commercial and office development. Future Crystal Lagoons installations are planned in the Mirada community north of Epperson and Southshore Bay in south Hillsborough County, Florida.

SOLUTION:

PRODUCTS USED:

DRYLOK® EXTREME Latex Masonry Waterproofer

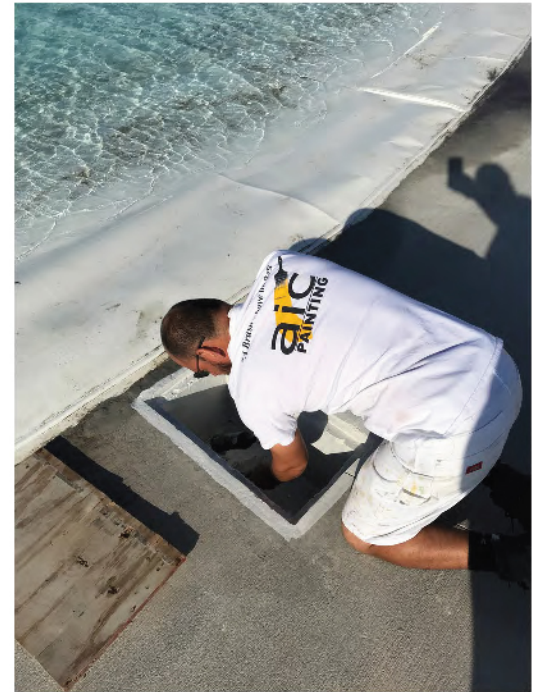
Powdered DRYLOK® Masonry Waterproofer

PROJECT PARTICIPANTS:

Designer: Crystal Lagoons, Miami, FL & Santiago, Chile

Owners: Metro Development Group, Tampa, FL

Applicator: AIC Painting, Land-O-Lakes, FL



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