

LAKE PARK PLAZA CONDOMINIUMS – METAL POOL RE-SURFACING

CHICAGO, ILLINOIS

COMPLETION: 2014

Before



PROJECT ASSESSMENT

“What needed to be done”

Comparatively light and relatively easy to install, metal pools are a popular choice for roof-top and above grade settings. In fully immersed chemical conditions, one concern is how to address and beautify the pool’s interior finish once protective treatments and coatings breakdown and corrosion begins. A common, easy and the least expensive option is to paint the metal. The following year, simply scrap off the chipped and peeling paint and the pool painted again, and then again the next year, and the next, until the surface has the same appearance as that of the pool to the left. When re-finishing a metal pool, two prime considerations come into play – stopping corrosion and restoring a long-term beautiful finish.

RENOVATION PLAN

“How it was done”

The Lake Park Plaza galvanized metal pool not only had a degraded and mottled painted surface, it had a delaminating fiberglass liner installed over pool paint. Composite materials do not adhere to paint so the existing liner released cleanly. Under the paint, we found the protective zinc & iron coating generally applied to prolong the time before corrosion activates. Most of this protective coating was still intact, however some degradation and residue were evident where the coating had worn through to the metal. Following ISO 8501 – :

2007 (Swedish Standards), all foreign matter was removed by Water Jetting. The surface received a heavy Zinc enriched coating followed by an installation of the **INTER-GLASS® Reinfo Polymeric System**. ***Metal pool surfaces require monitoring, periodic inspections. A PVC membrane or liner should never be used. Completely hiding the surface, periodic inspections cannot take place while corrosion may continue under the membrane from entrapped water. INTER-GLASS®*** which is fully adhered to the metal surface permits required surface monitoring.

Renovation Result



SAMPLE PICTORIAL SEQUENCE OF RENOVATION ON BACK OF THIS PAGE

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Surface Before Removal Begins



Entry Steps at Start of Project



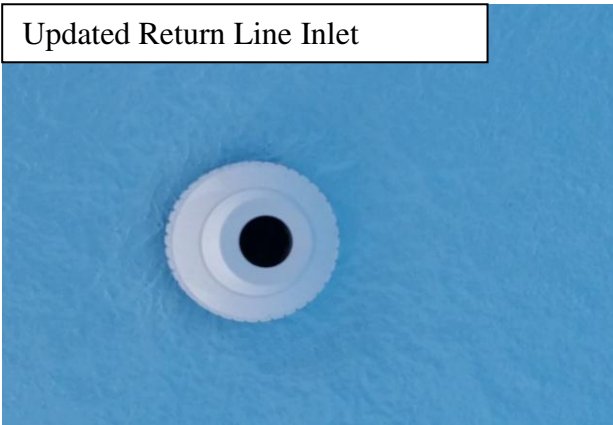
Paint Removal Underway



Zinc Coating, Multiaxial Fabrics, & Tile Install



Updated Return Line Inlet



Restored Entry Steps with Tiled Edge Marking



PROJECT SPECIFICATIONS:

| | |
|--------------------------|------------------|
| TOTAL SQ. FT.: | 2,080 |
| POOL SHAPE: | CIRCLE |
| TYPE OF CIRCULATION: | METAL GUTTERS |
| TYPE OF CONSTRUCTION: | GALVANIZED STEEL |
| TYPE OF INTERIOR FINISH: | INTER-GLASS® |