

CASE HISTORY

CH-056

FASTONITE 700 REPAIRS HURRICANE DAMAGED TEXAS SWIMMING POOL

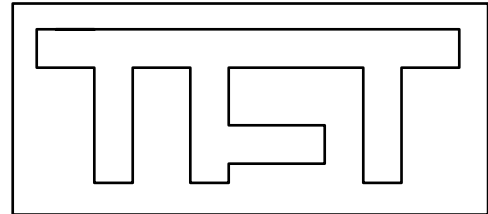
THE CHALLENGE: When Hurricane Ike tore through coastal Texas in the fall of 2008, it left a swath of damage which took months to repair. One such repair was the family swimming pool of a Galveston Bay waterfront home that was filled with debris and brackish water for over six months while the family house was being repaired after storm damage and flooding. After long exposure to bay water, the plaster surface was covered in barnacles and weakened by exposure to salt water.



Appearance during initial draining

THE SOLUTION: Workers drained the pool and removed the debris which included telephone poles, shrimp and a snake. One worker described the pool as looking like “a science project”. The walls were scraped to remove marine growth then acid washed, rinsed, and ground flat using diamond grinders. At this stage, the plaster was seen to be in a patchy, weakened condition.

First, **BIO-SEAL 192**, a pure liquid epoxy designed to penetrate and reinforce porous surfaces, was applied using rollers to seal the surface. After it cured for a few hours, the first coat of **FASTONITE 700**, tinted to a rich Mediterranean Blue, was also applied by rollers.



After this cured over night, some isolated large blisters were found where the plaster was so weak it had split at a depth of 1/8”. The blisters were cut out using a sharp knife and the weak plaster underneath was removed by scraping with a straight screwdriver until a firm substrate was reached.

The contractor used **BIO-FIX 911**, a Kevlar® reinforced “5 minute” epoxy repair compound to smooth and fill the blister pockets. Consequently, the final coating was possible within 5 minutes of application so as to avoid extending the overcoating interval unnecessarily.



First Fastonite 700 application over sealer

There was some urgency to patch the blistered areas quickly not only because the pool owner was anxious to have his pool restored to service but also because it was necessary to stay within maximum overcoating time limits between the coats of **FASTONITE 700**. Temperatures on the job were soaring under the hot Texas sun, and in these conditions, it would have been easy to compromise intercoat adhesion by allowing the first coat to cure too hard before overcoating it.

The final coat of Fastonite was applied within the recommended overcoating interval and, in some cases, within minutes of the **BIO-FIX 911** repair.

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Finished pool – Galveston Bay in background

RESULT: The pool was closely examined before filling to ensure no more blistering “surprises” were found. Once the quality of the coating was confirmed, the pool was refilled with water after a 24 hour curing period. The pool is now restored to a beautiful appearance and due to the **FASTONITE** lining, it will consume only a fraction of the pool chemicals previously used.

The rich blue color also extends the swimming season by absorbing solar heat better than light colored surfaces thereby allowing an earlier start and later finish.

The contractor responsible for this very successful project was:

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