

MANUFACTURING POOL WITH MANSILLAS THERMOPLASTIC SYSTEM

The Mansillas Thermoplastic System (MTS) is an interesting new technology capable of manufacture new pieces over existing or repair parts by creating a continuous sheet that plasticize the surface to resist, stabilize and increase the lifespan of various facilities. Solving common problems of corrosion, abrasion, damage from high impacts, leaks or any degradation caused by an aggressive environment on surfaces of concrete, metal, wood, asphalt, polyester or virtually any building material.



MTS sample

The pool had water leakage problems. The most pools are made with a vessel of rigid concrete; which, due to the weight of water and ground settlement movements, fracture. Moreover, as the pools are given a decorative finish with tile (not waterproof finish), leaks stay hidden. It hinders considerably the repair and having to resort to reconstructive methods (works) passing through the removal of this decorative layer and even part of the vessel, making repairs are slow and costly. Because of this, the pools have water losses which makes that it have to be filling them continuously. With the consequent economic and environmental expenditure.



Detail of surface to rehabilitate



Renovated pool

In May 2015 took place manufacturing the pool with **Mansillas Thermoplastic System (MTS)**:



Vessel manufactures with MTS

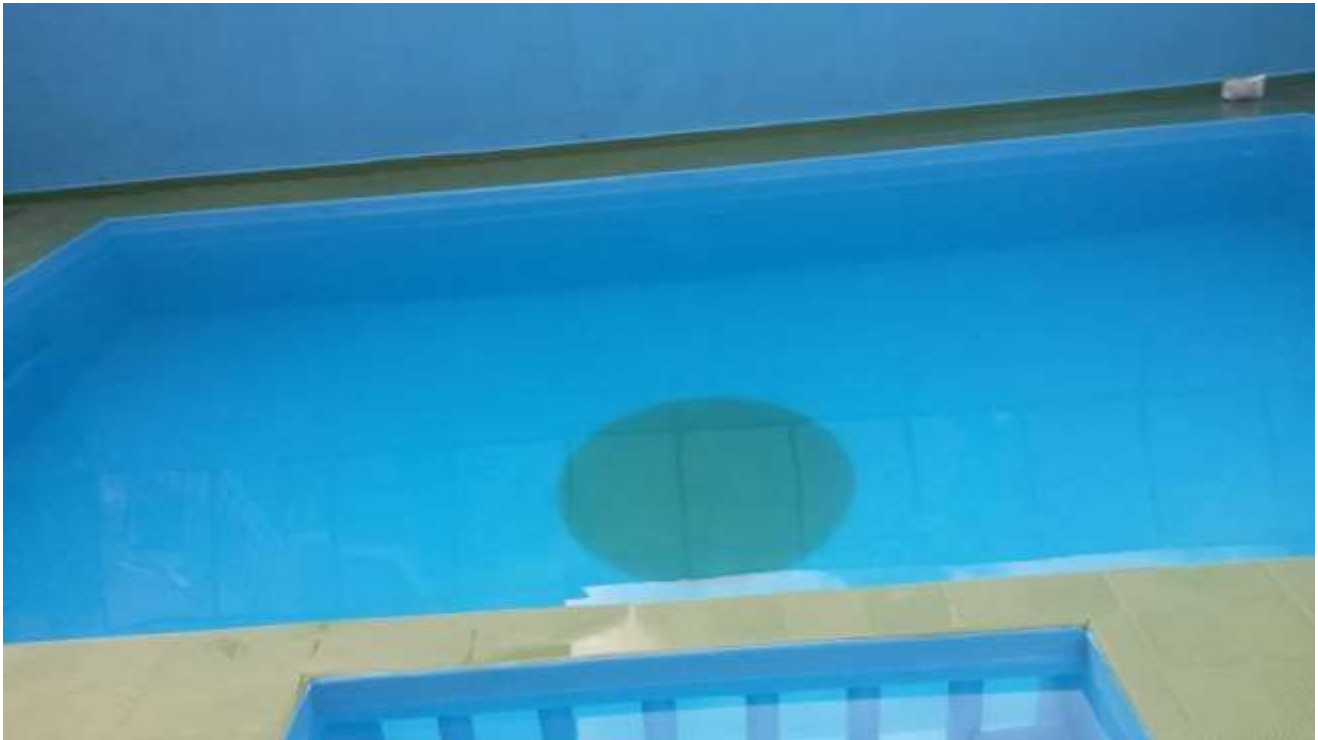


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The work began with the manual cleaning of the surface, removing adhesions and remains to immediately proceed with the manufacture of a new vessel by the inside of the pool, directly on the tile, with **STM type ST** with a two-tone decorative finish.

The implementation on the pool from cleaning up its implementation lasted two days. The first devoted to cleaning and manufacturing **STM** and the second for the decorative finish.

With the **STM** we ensure the creation of a sealed vessel without joints or unions and resistance to movements of ground settlement and resistant to the pressure exerted by the water.



New pool in operation

With Mansillas Thermoplastic System we have created a new pool within the existing with the same dimensions but stronger and more durability.

Mansillas Thermoplastic System features (STM):

- Advanced technology for the creation of a new body over the existing support, which provides a perfect barrier or shield against external attacks.
- Ability to manufacture new parts.
- Adaptation and specific design of the system for each project.
- Complete technical Mobility: Implementation of the system in place required by the client, using mobile autonomous factory.
- Faster implementation of projects: fast uptime 6 to 20 seconds.
- Indifferent system to moisture and temperature: Not sensitive to high humidity and can be applied to virtually any temperature without complication.
- Low permeability classification and water vapor transmission.
- Excellent physical properties: abrasion resistance, tensile, impact, tear, fire, chemical ...
- Excellent adhesion.
- Continuous system without joints or cracks: removing accesses fluids, bacteria or other contaminants that enter the support and degrade.
- Long-term stable system, keeping their original physical properties even with long-term aging and obtaining the durability of the structures.
- Environmentally friendly.

