

WASTE CATH BASIN RECOVERY WITH **STM**

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



MTS sample used for cath basin.

In this case it is a waste catch basin that contains cleaning soaps and chemicals that were degrading the concrete surface of this facility, as seen in the technical visit, the solution to stop this degradation is making a new surface with **STM** which protects and prevents further degradation.



Catch basin before treatment with **MTS**.

The ideal solution is to create a new catch basin in one piece, with no joints or connections, with **STM** stopping concrete degradation by the action of chemicals and thereby providing the necessary protection to this structure.

In December 2018 started the manufacture with **Mansillas Thermoplastic System (STM)** of the catch basin in the facilities of the customer.



The execution of the catch basin from its cleaning to its implementation lasted two days, the first for cleaning and surface preparation and the second for the manufacture of **MTS** using it for plasticization.



Catch basing repaired with **MTS**



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With Mansillas Thermoplastic System (MTS) we have created a new catch basin inside the existing with the same dimensions but with strength and durability.

We can conclude that through the use of **MTS** for the rehabilitation of this piece it has been used the least possible time with the best results. No major disruptions have caused. The rehabilitation time has been minimal and the catch basin was operational immediately after implementing the **MTS**.

For this the **MTS** becomes a great ally for the maintenance and protection of metal structures both as polyester concrete or industrial facilities. With the consequent economic savings for the customer avoiding breakdowns, replacement of parts and minimizing downtime.

*Features of the **Thermoplastic Mansillas system (STM)**:*

-  Advanced technology for the creation of a new body on existing support, which provides a perfect barrier or shield against external attacks.
-  Possibility of making new parts.
-  Adaptation and specific design of the system for each project.
-  Full technical Mobility: Implantation system in the place required by the customer, by factory-autonomous mobile.
-  Speedier implementation of projects: Fast uptime of 6 to 20 seconds.
-  indifferent to moisture and temperature system. It is not sensitive to high humidity and can be applied to virtually any temperature without complication.
-  Classification of low permeability and water vapor transmission.
-  Excellent physical properties: abrasion resistance, tensile, impact, tear, fire, chemical ...
-  Excellent adhesion.
-  continuous system without joints or cracks: elimination of access to fluids, bacteria or other contaminants that enter the support and degrade.
-  long-term stable system, maintaining its original physical properties long term even with aging and getting the durability of structures.
-  Environmentally friendly

