

## MANUFACTURE OF CIRCULAR GALVANIZED STEEL GUTTER DECANTER WITH **STM**

The **Mansillas Thermoplastic System (MTS)** is an interesting technology capable of manufacturing new parts over existing ones or repairing them by creating a continuous sheet that laminates the surface to resist, stabilize and increase the useful life of various installations. Solving common problems of corrosion, abrasion, damage from strong impacts, leaks or any degradation caused by an aggressive environment on concrete, metal, Wood, asphalt, polyester or virtually any construction material.



Muestra de STM usado para pozo

In our technical visit, we could observe a circular galvanized steel gutter decanter, with a central bell and a water exit pipe with corrosion and degradation problems, by its interior and exterior, this could cause lost section and leaks due to the state of these facilities before the manufacture of **MTS**.

We can observe the facilities condition in the images below:





The ideal solution is the manufacture of a new gutter, central bell and pipes (by its interior and exterior) with ***Mansillas Thermoplastic System (MTS)***, stopping the corrosion of this pieces and protecting them, the new ones manufactured are in one piece and totally waterproof.



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The first step has been the cleaning of the corrosion with sander, for later, apply primer, and finally, manufacture the new pieces of the gutter, continuously without joints and in one piece with **Mansillas Thermoplastic System (MTS)**.

The result after the manufacture of the **MTS** is the next:



The execution of the works from its cleaning to the manufacture of the new pieces of the gutter lasted one week, the facility was operative in few time.

*With Mansillas Thermoplastic System (MTS) we have created new pieces by its inside, and others by its inside and its exterior with the same dimensions but with strength and durability higher, stopping the corrosion too.*

We can conclude that thanks to the use of **MTS** for the rehabilitation of this pieces it has been used the least possible time with the best results. No major disruptions have caused. The rehabilitation time has been minimal and mouth man 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 **Mansillas Thermoplastic 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