

MANUFACTURE OF WALKWAY BY ITS BOTTOM WITH **MTS**.

The **MANSILLAS THERMOPLASTIC SYSTEM (MTS)** is an interesting technology capable of manufacture new pieces over the existing or repair it by creating a continuous coating that plasticize the surface to resist, stabilize and increase the useful life of diverse facilities. Solving common problems of corrosion, abrasion, damage due to impacts and any other degradation caused by an aggressive environment in surfaces of concrete, metallic, Wood, asphalt, polyester or any other material of construction.



Sample of MTS

Manufacture of a Sludge Thickener Walkway by its bottom.

It is a concrete structure that makes the digested sludge thickener walkway, its bottom exposed to sludge gases suffer a great damage, causing corrosion in concrete creating leaks and section losses of this facility.

With **MANSILLAS THERMOPLASTIC SYSTEM (MTS)**, we have manufactured a new walkway by its bottom, using the existing as a mold, stopping the damage caused by corrosion and eliminating section losses, protecting the concrete of destruction due to corrosion and gases.

The ideal solution has been the creation of a new walkway by its bottom, that is exposed to the gases, in thermoplastic, manufactured by mobile factory without joints with **MTS**. Protecting completely the surface and making a protecting armor for the walkway, because the solutions previously used to try to protect this structure have not given the appropriate result (epoxy paint, pvc sheets, etc.)

Before the manufacture of the new walkway with **MTS**, it has been necessary the structural reconstruction of the concrete damage by the corrosion caused by the gasses.



Initial state of the walkway before **MTS**.

The works have been carried out as follows:

The surface has been cleaning and prepared, then, we have applied primer for decontamination over the entire surface of the walkway:



Finishing with the manufacture of a new walkway or protective armor with **Mansillas Thermoplastic System (MTS)** in situ, with mobile factory, without to stop the activity of this facility for a long time, due to the short time of curing of the **MTS**.





Walkway finished once the **MTS** is manufactured.

With Mansillas Thermoplastic System we have created a new walkway over the existing with the same dimensions but with higher resistance and durability.

We can conclude that thanks to the use of **MTS** for the rehabilitation of these facilities, the shortest possible time is used with the best results, because the treat time is minimal, and the facility was operational within a few hours of implementing the **MTS**.

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

Mansillas Thermoplastic System (MTS) features:

- 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.