

MANUFACTURE OF BEET HOPPER WALL WITH **MTS** IN SUGAR COMPANY.

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 plasticizes the surface to resist, stabilize and increase the useful life of various installations. Solving their common problems of corrosion, abrasion, damage due to heavy impacts, leaks or any degradation caused by an aggressive environment on concrete, metal, wood, asphalt, polyester surfaces or practically any construction material.



Sample of MTS used to manufacture the new hopper

The big metallic Hopper of this sugar company has damage due to the unloading of beet to produce sugar, in this unloading, there are stones that hit the metallic surface of the Hopper, causing damage, all years the company have to repair the Hopper surface.



Piquera Hopper of unloading beet

We can observe that the surface of the Hopper has been repaing in several times with weld.



Detail of Hopper state before the manufacture of the new wall and the tunnel with MTS

The ideal solución has been the creation of a new surface of the Wall Hopper and the tunnel, plasticizing it, without joints, with **MTS**. Protecting the hopper completely from the impacts of the stone that brings the beet unload and preventing its deterioration.

In June 2019 stats the works of the manufacture the new hopper wall and tunnel with **MTS**.



Manufacture of Wall and tunnel with MTS in the hopper.



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The works in the hopper was made as follows:

- › Primer application for surface decontamination and as a connecting bridge
- › Manufacture of wall hopper and tunnel with **MTS ST** type and high thickness over the existing one

The execution of the hopper from the start of the works to its start-up lasted two days, the facility was quickly operational thanks to the use of **MTS**.

With Mansillas Thermoplastic System we have created a new Wall and a new tunnel in the Hopper with the same dimensions but 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 Hopper 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 breakdown, replacement of parts and minimizing downtime.

Mansillas Thermoplastic System features (MTS):

- 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.



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