

MATERIAL MIXER PLASTICIZED WITH **MTS**.

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 plasticize de mixer.

Material mixer plasticized with **MTS**

This report talks about the plasticization of a mixer material, composed by a central axis and two blades. The initial treatment has been the sandblasting and painting later, which leaves the surface perfectly prepared for its plasticization.



Central axis and blades of mixer.

The ideal solution has been the creation of a new surface of the mixer pieces, plasticizing it, without joints, with **MTS**, our system, we protect completely the surface manufacturing a new one, continuous and in one piece, stopping the degradation and corrosion that will have with the use conditions that will be subjected the mixer.



Mixer material plasticized with MTS.













The execution of plasticization of the mixer, from its preparation to its start-up was minimal, with **Mansillas Thermoplastic System (MTS)**, it is not necessary to make long stops in the facilities.

With Mansillas Thermoplastic System (MTS) We have created a new mixer material with the same measurements but with bigger resistance al durability than the old.

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

In this way the **STM** becomes a great ally for the maintenance and protection of both 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.