

FLOORS MANUFACTURING 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

1. **Non-slip floor in food products factory.**

During technical visit we can observe a very worn floor, the original coating is left to the use of machinery, wheelbarrows, transit and cleaning products, this floor corresponds to a food factory, as a result of this wear, the floor slips and it make that workers have had some accidents.



The ideal solution to obtain a non-slip floor and protect it, is the manufacture a new floor, continuour in one piece and non-slip finish with **MTS**.

Once the surface is prepared, cleaning the badly adhered and damaged coating, and applying priming, a new floor has been manufactured, with mobile factory, in situ, without joints, continuous, with **MTS** protecting the surface completely, and making a non-slip new floor.

With the manufacture of this new floor, we stopping the damage for the transit, and we prevents the accidents of the workers.

Apart of technology of our **Mansillas Thermoplastic System**, other important advantage is, due to the short curing time, there have been no interruptions in the manufacturing process.

Once the work is finished, the result is:



With Mansillas Thermoplastic System we have created a new non-slip floor over the existing, with the same dimensions but with higher resistance and durability.

2. Wine cellar floor.

In this case, is a newly built floor, is going to be used as a Wine Cellar, we need to create a new pavement to protect the concrete and with high resistance, it has to support the weight of wine tanks and it has to be easy to clean too.



To achieve this objective, after manufacturing the concrete floor, the surface has been cleaned, we have applied primer and finally we have manufactured a new floor, in thermoplastic, with mobile factory without joints, continuous, with **MTS**, protecting the surface and making a new floor with resistance and easy to clean.



After the end of the work, this is the result:



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



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3. Floor protection in food products factory.

In this case, we treat a concrete floor in a good state, with some use marks, over this floor we have manufactured a new one with **MTS** to protect it to the diary traffic of wheelbarrows due to the activity of this factory and besides matching the color of the entire floor of the factory.

The initial state of the floor is the next:



After the primer application, we delimited the área to be treated for the subsequent manufacture of the new floor that protect this zone to the traffic of wheelbarrows and other elements of the manufacturing chain, this traffic is high because the factory is working 24 hour at day. With the manufacture of this floor with **MTS** we protect the previous floor and we avoid the damage of it.

The result after the manufacture of the new floor is the next:





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



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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 floors were 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.