

Project:

Waterproofing and protection of a digester

Location:

Motril - Granada (Spain)

Project completed:

2016

Owner/s:

Mancomunidad de Municipios de la Costa Tropical de Granada

Applicator/Contractor:

IMTEX, S.L.

Designer/Architect/Specifier:

-

Market sector:

Civil engineering –
Water management

Products used & amounts:

MasterTop P 617 300 kg

MasterSeal P 691 20 kg

MasterSeal M 689 2,300 kg

EDAR MOTRIL - SALOBREÑA

Waterproofing and protection of a digester



Construction of a second digester

The background

A second digester, constructed using reinforced concrete, was installed at the wastewater treatment plant EDAR Motril - Salobreña, located in a coastal area in Granada.

Protection and waterproofing treatment was required to make the concrete more durable and to limit the need for maintenance and repair in the future.

The challenge

Concrete structures at wastewater treatment plants frequently suffer corrosion damage after only a few years as a result of acidic conditions, and attack by sulphates and other chemicals.

As aggressive conditions are common in these installations, the structures must be fully protected by reliable, durable systems.

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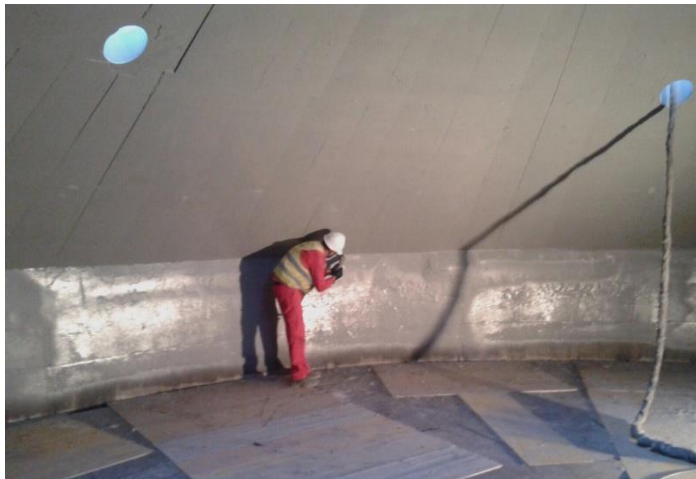
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Application of MasterSeal M 689 polyurea waterproofing and protection membrane.

Our solution

Considering all the options available, the exposure conditions and the durability requirements, it was decided to provide seamless protection using MasterSeal M 689 hot spray applied polyurea membrane. The concrete surface was primed with MasterTop P 617 before the membrane was applied.

The customer's benefit

The solution selected provides durable protection with high mechanical and chemical resistance.

Spray application ensures a seamless membrane which adapts to complex shapes and details. At the same time, the application time is reduced.

The membrane hardens quickly, with rapid strength development. It is therefore possible to complete the installation in a very short period and to commission the digester rapidly.

Projects facts at a glance

- Seamless and fully bonded waterproofing membrane.
- High mechanical and chemical resistance combined with high elasticity and crack bridging.
- Hot-sprayed system.
- Approx. 1,100 m² of treated surface.

Master Builders Solutions by MBCC Group

The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges.

Further information is available at:

<https://www.master-builders-solutions.com/es-es>