

**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.

**Market sector:**

Civil engineering –  
Water management

**Products used & quantities:**

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.

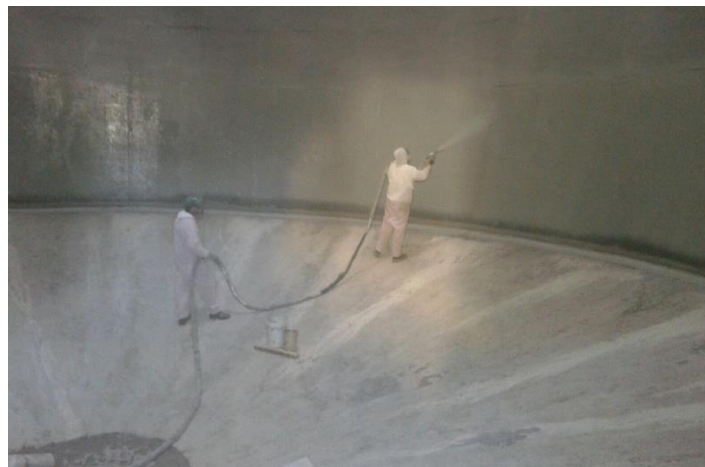
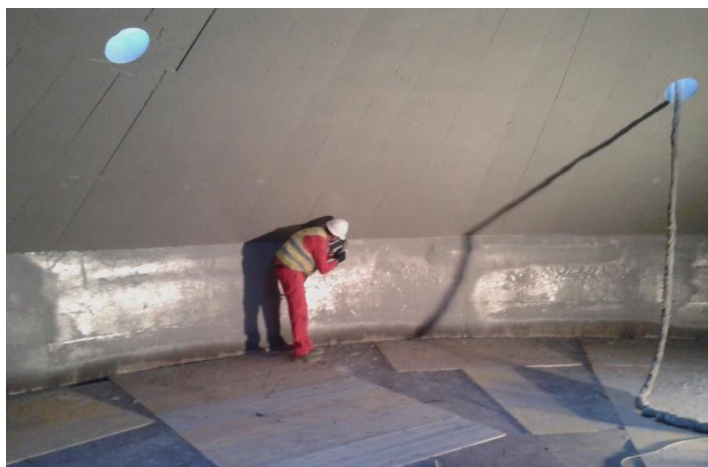
As aggressive conditions are common in these installations, the structures must be fully protected by reliable, durable systems.

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# EDAR MOTRIL – SALOBREÑA

## Waterproofing and protection of a digester



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.

### Benefits to the customer

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 of time and to commission the digester rapidly.

### Project 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 m<sup>2</sup> of treated surface.

### Master Builders Solutions from BASF

The Master Builders Solutions brand expresses BASF's expertise in providing customized chemical solutions for new construction, maintenance, repair and restoration of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. At the core of the Master Builders Solutions brand is the combined know-how and experience of a global community of BASF construction experts, who connect with you to solve all of your construction challenges.

Further information is available at:

[www.master-builders-solutions.basf.es/es-es](http://www.master-builders-solutions.basf.es/es-es)