

**Project:**

*The Acquedotto Pugliese water treatment plant in Mola di Bari*

**Location:**

*Mola di Bari (BA), (Italy)*

**Project completed:**

*2018*

**Owner/s:**

*Acquedotto Pugliese*

**Applicator/Contractor:**

*Impresa Gentile Leonardo srl di Locorotondo (BA)*

**Market sector:**

*Water Management Industry*

**Products used & quantities:**

*MasterSeal 7000 CR  
MasterEmaco S 498 FR  
MasterEmaco N 405 FC  
MasterProtect 310  
MasterProtect 320*

## WASTE WATER TREATMENT PLANT MOLA DI BARI

### Refurbishment of sedimentation tanks



Our reference at Mola di Bari (Italy)

#### The background

The water supplier Acquedotto Pugliese carried out an upgrade of the sewer lines of Mola di Bari, a suburb of Bari with 25,000 inhabitants.

The project involved stretches of sewer lines and their connections to users with the aim of upgrading the system in order to better meet the newly evolved local needs, providing an increasingly efficient service.

From a purely technical point of view, the work involved the replacement of 7.5 km of pipes; the creation of 1,578 new connections; the construction of 93 new manholes plus the rehab of 182 others and the substitution of 349 manhole covers. Furthermore, 66,000 square meters of paved roads were improved during the work.

#### The challenge

The condition of the sedimentation tanks required complete refurbishment of sedimentation tanks, including structural and cosmetic concrete repair and waterproofing with membranes chemically resistant against the corrosive substances that could be found in the tanks.

Additionally, considering the proximity to the sea of the whole installation, external concrete repair and protection against potential chloride corrosion had to be considered.

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# WASTE WATER TREATMENT PLANT MOLA DI BARI

## Refurbishment of sedimentation tanks



Application of MasterSeal M 689 polyurea waterproofing and protection membrane.

### Our solution

Internal works:

- Sandblasting of reinforced concrete surfaces
- Local repairs with MasterEmaco S 498 FR
- General levelling with MasterEmaco N 405 FC
- Priming using Xolutec technology with MasterSeal 770
- Chemical resistant waterproofing using Xolutec technology with MasterSeal 790

External works:

- Sandblasting of reinforced concrete surfaces
- Local repairs with MasterEmaco S 498 FR
- General levelling with MasterEmaco N 405 FC
- Priming with MasterProtect 310
- Colored protective coating with MasterProtect 320.

### Benefits to the customer

The innovative MasterSeal 7000 CR system based on Xolutec technology ensures the optimal chemical resistance and offers a high degree of elasticity (as opposed to traditional alternative systems).

### Project facts at a glance

- Complete refurbishment and protection treatment, both inside and outside of the tank.
- High mechanical and chemical resistance combined with high elasticity and crack bridging.
- Approx. 800 m<sup>2</sup> of treated surface.

### Master Builders Solutions by MBCC group

The Master Builders Solutions brand expresses MBCC Group'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 construction experts, who connect with you to solve all your construction challenges.

Further information is available at:  
[www.master-builders-solutions.com/it](http://www.master-builders-solutions.com/it)

