



# SIKA AT WORK

## WASTEWATER TREATMENT PLANT, MOLA DI BARI, ITALY

CONCRETE PROTECTION: Sikagard®

CONCRETE REPAIR: SikaEmaco®

BUILDING TRUST



# REFURBISHMENT OF SEDIMENTATION TANKS



## PROJECT DESCRIPTION

Project name: The Acquedotto Pugliese water treatment plant  
Location: Mola di Bari, Italy

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.

## PROJECT REQUIREMENTS

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.

## SIKA SOLUTIONS

Internal and external works:

- Sandblasting of reinforced concrete surfaces
- Local repairs with SikaEmaco® S 498 FR
- General levelling with SikaEmaco® N 405 FC
- Priming using Xolutec technology with Sikagard® P 770
- Chemical resistant waterproofing using Xolutec technology with Sikagard® M 790

External works:

- Priming with Sikagard® P 310
- Colored protective coating with Sikagard®-320

## CUSTOMERS BENEFIT

The innovative Sikagard®-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

## PROJECT PARTICIPANTS

Project Owner: Acquedotto Pugliese  
Applicator/Contractor: Impresa Gentile Leonardo srl di Locorotondo (BA)

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