



# SIKA AT WORK

## AS PONTES THERMAL POWER PLANT, SPAIN

CONCRETE PROTECTION: Sikagard®-7000 CR

BUILDING TRUST



# CHEMICAL PROTECTION FOR DRAINING TANKS



## PROJECT DESCRIPTION

Project name: Chemical protection for draining tanks used to treat wastewater at the As Pontes thermal power plant  
Location: Puentes de García Rodríguez – A Coruña, Spain

As Pontes power station is a four-unit coal-fired power plant with a total capacity of 1,468.5 MW. The plant was completed between 1976 and 1979 and is owned by Endesa Generación (Enel). The project is part of the investment to adapt the plant to meet the requirements of the EU Industrial Emissions Directive (IED). This directive requires to denitrify and remove sulphur from combustion gases (NOX and SOX) released into the atmosphere. The aim was to provide chemical protection for three tanks and a retention basin covering a total area of 800 m<sup>2</sup>.

## PROJECT REQUIREMENTS

The three tanks are draining and separation tanks for ammonia and bleaches, the by-product derived from the NOx neutralization process using urea, a similar process that AdBlue uses in cars. This is where the by-product undergoes flocculation and is discharged into sedimentation tank for separation and processing. In addition to the required high chemical resistance of the protective membrane, the weather conditions in northern Spain where high humid cloudy days, fog and rainfall are quite frequent, required a system that could tolerate moisture in the substrate when applied.

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Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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## SIKA SOLUTIONS

Considering all project requirements, but also the application limitations, a system which could tolerate residual moisture in the substrate when applied directed the choice to Sikagard®-7000 CR. Sikagard®-7000 CR system was then applied in line with EN 1504-2 while fulfilling all the project requirements.

## CUSTOMERS BENEFIT

Sikagard®-7000 CR system is based on Xolotec® technology, which achieve unique properties for polymer membranes:

- High chemical resistance
- Crack-bridging capability
- High mechanical resistance
- High tolerance of moisture in the substrate and air humidity in the environment during application
- Can be applied manually or sprayed
- Swift application and quick commissioning

## PROJECT FACTS AT A GLANCE

Approx. 800 m<sup>2</sup> of treated surface of which three tanks and one inspection box have been protected with the Sikagard®-7000 CR system.

## PROJECT PARTICIPANTS

Project Owner: ENDESA Generación S.A.  
Applicator/Contractor: HUSO29 - INERCO

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