

Spanish Nuclear Station Chooses CeramAlloy & DuraQuartz To Control Corrosion On Cooling Water Intake Lines



The maintenance engineers of this major nuclear power station were experiencing problems in their cooling water intake lines due to ineffective seals on the access manhole collars. The metal intake piping is encased in concrete and the existing design was allowing water to seep between the concrete shell and the metal core. This caused corrosion on the outside of the metal pipe.

The plant needed a fast, effective solution that could be accomplished while still following the very stringent safety guidelines imposed by the plant.

The local ENECON Ibérica specialist building up the joint between the metal collars and the concrete casing with DuraQuartz to prevent the water from getting behind the seal. After the DuraQuartz was applied, the collars were coated with two layers of CeramAlloy CL+(AC) to complete the application.

Upon reassembly, the station engineers were completely pleased when they saw that the leakage had been stopped and the corrosion problem eliminated.