



Major new power plant switches to Avantguard® 860 for improved productivity and superior protection

Costing some €1.39billion, the Ptolemais V expansion is Greece's largest investment in energy production. Set to produce 660MW of power, it will produce affordable electricity for the people of Greece with significant benefits to the Greek economy and environmental footprint.

Hempel are pleased to have been trusted to provide superior performance protective coatings for steel structures for this project, including the boiler house.

Originally specified with inorganic zinc silicate primer, we proposed a change to our advanced Hempadur Avantguard 860 primer, since it provides many benefits including best-in-class productivity with reduced over-coating times.

Unlike traditional zinc epoxies, Avantguard technology activates all of the zinc in the coating, which significantly improves the coating's anti-corrosive performance and mechanical strength, while remaining easy to apply. This means more accurate application, in a shorter time with the assurance of a high performing, longer lasting coating and lower future maintenance costs.

Avantguard 860 delivers the corrosion protection at the level of an inorganic zinc silicate with the application benefits of an epoxy.

Let's talk protective coatings for your project

THE CHALLENGE

Applying a system with a traditional inorganic zinc primer to a steel structure takes a considerable amount of time due to its application challenges in terms of ambient requirements, need of a mist coat and the tendency of cracking of zinc silicates. Hempel was asked to provide a solution to overcome these challenges.

THE SOLUTION

With best-in-class drying times², 4x faster than inorganic zinc silicates, and proven superior performance, our Hempadur Avantguard 860 primer was the answer.

Based on our recognised activated zinc technology, Hempadur Avantguard 860 sets a new standard in the protective coatings industry.

The additional benefits afforded by using Hempadur Avantguard 860 were supported by tests proving our product provides the same level of corrosion protection as the originally specified inorganic zinc silicate, whilst also considerably minimising the application risks and improving the over coating interval time. Due to this, the green light was given to proceed with the project using Hempadur Avantguard 860.

As a result, the project will benefit from an improved application process and a robust coating solution that will keep the power plant in pristine condition for years to come.



AVANTGUARD REDEFINES ANTI-CORROSION

Hempadur Avantguard 860 is the first of its class, specifically developed to overcome the problems experienced with inorganic zinc silicate primer application, without compromising corrosion protection and boosting productivity.

At a glance

CUSTOMER

Terna S.A.

APPLICATION

Air spray gun

ABOUT

Terna S.A. is a major EPC Contractor, focused on civil structures, power plants and industrial facilities

TOTAL PROJECT VOLUME

265,000 litres

HEMPEL SYSTEM

Hempadur Avantguard 860
 Hempadur Mastic 4588W
 Hempthane Topcoat 55210