

Location:

Bilbao, ---

Date of Application:

September 2009

Market:

Fireproofing - Industrial (USA)

Substrate:

Steel

Surface Prep:

SSPC-SP 6 (Commercial Blast)

Exposure:

Exterior Weathering - moderate
industrial exposure - chemical
environment

Square Feet:

45000.0

Petronor Muskiz

Area Coated: Exterior Structural Steel

- First Coat: Thermo-Lag 3000-P

Project Description:

The project consists of the construction and operation of a delayed coker unit and related treatment units at Petronor's refinery in Muskiz (Biscay province)Spain.

Design and construction supervision by Foster Wheeler Spain.

Lower levels fireproofed using dense concrete and lightweight cement. Upper levels with Thermo-Lag 3000 P applied in the shop and then transported to site for fabrication.

Project Challenge:

Justify the use of Epoxy for a 3 hour hydrocarbon rating and then manage the project with a new contractor conducting the application.

Petronor's first project with an Epoxy so a very visible one.

Coating Selection Explanation:

Thermo-Lag 3000 selected based on Thermal efficiency, we had at least 4mm advantage over closest competitor giving savings in weight and enabling our overall material cost to be attractive.

The main factor was that the full 1/2" thickness of Thermo-Lag 3000 P is/was applied in a single day making the throughput in the shop very efficient.

Additional Information:

Application started in March 2009 and through that year. The project is finally finished and signed off as of June this year.

We provided training to the new contractor, full technical submissions to client and engineer with a quality plan for the shop and for site. We provided Tech service during shop application and also at site during and at the end of the project.

