

Protecting Pipes from External Corrosion with ChemLine® Coatings

ChemLINE®
CASE STUDY

Advanced Polymer Coatings (APC) provides a wide range of coatings for corrosion protection for tanks and terminals, and many processing and energy facilities. At these operations there is often a network of piping that is exposed either to hazardous chemicals or hazardous environments, and sometimes both. ChemLine® helps to solve these problems with its unique, patented polymer coating systems.



PETKIM – External Pipe Corrosion Protection for Turkey's Petrochemical Producer

At the Petkim refinery in Izmir, one of the largest refineries in Turkey, the facility experienced corrosion issues with its external piping. The piping had been previously coated with an epoxy, which did not perform as needed, and needed to be replaced.



Various photographs show the external coating of ChemLine® 784/32 on these pipes at the Petkim refinery in Turkey. The base coat is shown in red, with the top coat in grey.



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The ChemLINE® base coat is shown in red, with the top coat in grey, on these pipes at the Petkim refinery in Turkey.

Rather than applying another epoxy coating, Petkim asked APC/MarineLine Turkiye for a better solution. ChemLINE® 784/32 was recommended to protect the outside of the pipe from the various environmental elements. ChemLINE® 784/32 offers superior bond strength to metal substrates and provides superior wear and abrasion resistance.

APC/MarineLine Turkiye provided the ChemLINE® 74/32 directly to the customer, who did the external application work on approximately 600 meters of pipe, ranging from an outer surface pipe width from 2" to 12".

Result

Petkim has had no problems in three years since the application of ChemLINE® 784 for the pipelines, and they continue to apply ChemLINE® to coat outer surfaces whenever needed. The company is satisfied with the results that now protect the pipelines as well as the operating environment.

Contact a ChemLINE representative about your next project.

