

Major project in Turkey



In industrial enterprise where chemicals are processed, stored and transported, it is mandatory for surfaces and equipment to have a optimal protection against corrosion. Such requirements, for durability of structures, corrosion and abrasion resistance were addressed by our customer Eti Bakir Co, Turkey.

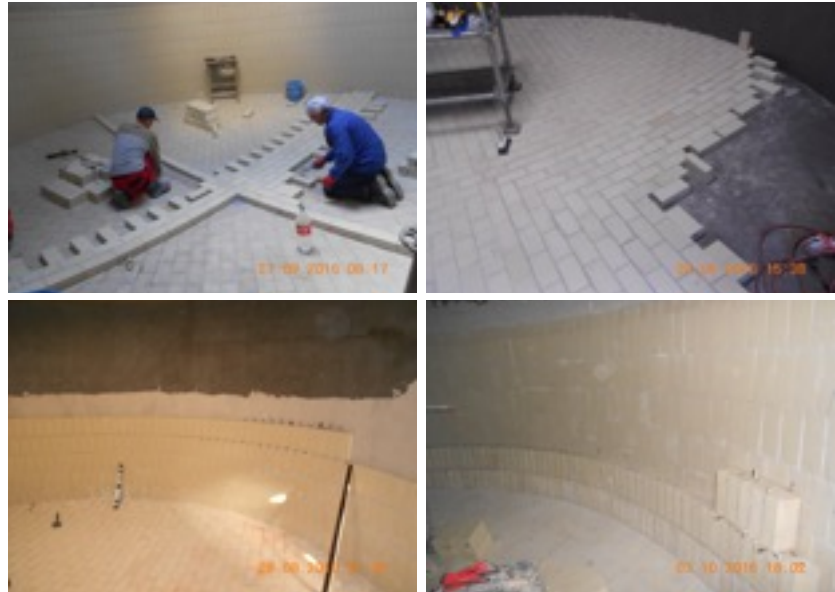
Eti Bakir Co. Mazidagi Phosphate Plants are established in the district of Mazidagi in Mardin. With a history over 40 years, Mazidagi Phosphate Plants capacity for producing phosphate rock is 550,000 tons per year. The owner decided to invest in a phosphoric acid plant, sulphuric acid plant and other chemical factories.

Do to the exposure of tanks to a wide variety of aggressive acids (phosphoric and sulphuric) and mechanical stress, essential anti-corrosion measures were selected for each tank according to the particular chemical, mechanical and specific environmental conditions.

B-Team Corrosion Protection services for this project include project management, surface preparation, corrosion protection systems application and continuous quality control, for a surface area of 70.000 m² in over 60 tanks (storage tanks, settling tanks, reaction tanks, digestion tanks, pipelines and the surfaces of basins underneath these items). Also Eti Bakir is now a workplace and home for over 45 workers from B-Team Corrosion Protection.

“ This new project underline our ability and efficiency in responding to special projects.”

- Gabriel Istoc



All applied systems are composed of multiple layers of linings (resin layers, reinforced fiber glass layers), rubber membranes, acid-proof bricks (carbon bricks, ceramic bricks), special acid proof mortars and epoxy coatings. Materials recommended and produce by our partner Tip Top Oberflächenschutz Elbe GmbH are distinguished both by excellent chemical resistance which provides corrosion protection and abrasion resistance for wear protection.

The process data

Surface: 70.000 sqm in over 60 tanks and the areas underneath them

Substrate: metal (approx. 20.000 m²) and concrete (approx. 50.000 m²)

Medium: Chemicals such as sulphuric acid (up to 98% concentration), concentrated phosphoric acid (above 70% concentration) and their derivatives

Technical Solution:

- over 24.000 m linings and coatings
- over 20.000 m rubber lining
- over 13.000 m brick lining
- 13.000 m other corrosion protection materials application

This project, among others, is an example of experience and durability provided to our customers through a joint operation between B-Team Corrosion Protection and Tip Top

Oberflächenschutz Elbe GmbH. Our close partnership with Tip Top Oberflächenschutz Elbe GmbH allows us to assist our clients in most corrosion protection services.

B-Team Corrosion Protection is specialized in anti-corrosion protection solutions of steel and concrete structures exposed to corrosive environments. We deliver optimal corrosion protection for large companies from Romania, Europe, Turkey and Saudi Arabia. With over 15 years experience in the field, we build our company with a focus on growth, improved customer experience and sustainability.



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