

 **B-TEAM**

CORROSION PROTECTION

Coat for Every Industry!

Industrial Corrosion Protection



COAT FOR EVERY INDUSTRY

Are you looking for the right surface protection solution that has an optimum behaviour under the chemical, thermal and mechanical stress you might be dealing with?

You now have the guarantee of efficiently applying anti-corrosion and anti-abrasion protections no matter the industry you are in.

You will benefit from complete anti-corrosion protection solutions and a team of applicators with over 15 years experience in the field.

We understand that applied materials are the first line of defense against corrosion and a primary method you can use to protect your long-term investments.

This is why we focus on maintaining structure integrity over time and reducing corrosion effects.

We take pride in our customers and partners and, most of all, in fulfilling our commitments.

Safety and durability

An adequate material correctly applied, that meets your needs will guarantee safety and durability. This is how you protect both surfaces and investments.

No matter your industry, we respond quickly with adequate solutions and a specialized team with over 15 years of experience in the field.

For your special and unique applications, we endeavour to identify the best solution for you and to provide the benefits you are looking for:

- Maximize efficiency on site with one dedicated team of technical applicators, in numbers and specializations that match the needs of your project
- An adequate audit to identify all factors that could lead to corrosion, a proposal of optimum solutions and a detailed plan to ensure the best efficiency ratio of the applied materials
- Long-term infrastructure monitoring and maintenance
- Health and safety standards and the observance of environmental laws
- Timely and complete project delivery at competitive prices
- Best quality materials combined with technical solutions that meet the requirements of your project
- Efficient protection for both new and in-service structures

FULL SERVICES

Rubber lining for anti-corrosion protection



Acid resistant coating services



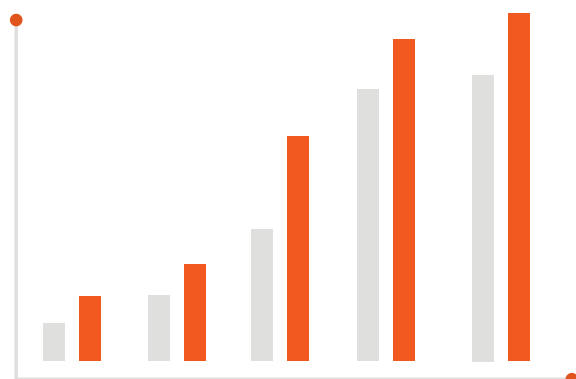
Complex resin application (sandblasting, painting, lining)



Special acid-proof painting



Permanent services of repairs and maintenance for anti-corrosion protections on existing plants and equipment



➔ **QUALITY**

➔ **HIGH PERFORMANCE**

➔ **TECHNICAL EXPERTISE**



Rubber lining services

We perform rubber lining applications on site and in our workshop, adapted to specific given conditions for each project.

With rubber linings, you protect industrial equipment and plants against corrosion, mechanical and thermal stress, enhancing their resistance and extending their life span.

For on-site rubber lining application we use hot-cured or self-curing rubber. Rubber linings can also be performed by hot autoclave curing. On-site applications can also be performed using precured elastomer film.



You benefit from the advantages of rubber lining anti-corrosion protection as applied on:

Storage tanks



Gas scrubbers



Pipes, valves, cocks, fittings, wagons, chemical tankers



Flue gas desulfurization plants (FGD)



Waste incineration plants, drinking water treatment plants



Acid resistant coating services

Acid-proof bricks have a higher resistance against chemicals (acids, bases, oils, solvents, salts) and they can be successfully used at extreme temperatures. They are applied wherever there is a need for a higher strength to chemical stress and they guarantee a long life span of structures (applied under appropriate conditions) up to 50 years.

Depending on your project needs, we apply acid-proof systems composed of:

- ➔ Rubbers and acid-proof bricks or tiles together with corresponding acid-proof mortars
- ➔ Synthetic resins lining plus acid-proof bricks/tiles and anti-acid mortars
- ➔ Special mortars and screeds





Complex resin application

Synthetic resins are more and more used for long-term anti-corrosion protection in processing factories. The range of materials for anti-corrosion protection based on synthetic resins delivers an outstanding chemical and thermal strength.

For resin applications, we provide you with a complete and flexible team, adapted to the requirements demanded by your project, a team which can apply:

Glassfiber reinforced polymer systems

Coatings and linings with mineral ceramic or glass flakes polymers

Reinforced floors system

Self leveling floor system

B-Team Corrosion Protection technical team has the experience required to apply synthetic resins so that the latter can reach a high level of resistance under specific conditions, without interfering with the optimum performance of process flows.

Special acid-proof paintings application

Ensure a continuous protection against environmental effects and against the presence of chemicals by coating metal surfaces with anti-corrosion paint, applied in a waterproof seamless film of an adequate thickness.

In order to guarantee a secured long-term protection of your structures, for each performed job, we monitor:

- Design function and structure service life
- Corrosiveness parameters of the external environment
- Surface cleaning and preparation
- Anti-corrosion paints used
- Performance conditions when applying anti-corrosive paints
- Staff health and safety
- Environmental protection



Corrosion protection for Flue gas desulphurisation plant (FGD plant)

Case study

B-Team Corrosion Protection performed the complete rubber lining and coating works for flue gas desulphurisation plant. Approx. 6588 square meters of rubber lining was applied to the absorbers, along with 1050 square meters of Coroflake 23T and 220 square meters of Lining 65.

A total of approx. 8000 square meters steel surface areas were protected by our team.

Evaluation, recommended solutions for each individual application, surface preparation, rubber and coating application and technical inspections were performed by B-Team Corrosion Protection team.

Every detail of the plant was thoroughly investigated onsite, recorded and evaluated before and after applying the specific materials.

Technical details

- 6588 square meters of rubber lining
- 1050 square meters of Coroflake 23T
- 220 square meters of Lining 65

CASE STUDIES

Epoxy resins application for metal protection

Technical details

Corrosion protection of surfaces by applying epoxy resin Coroflake 23, based on novolac vinyl ester with inert flakes.

Surface preparation by sandblasting, application of anticorrosive system, tests and trials were conducted entirely by the technical B-Team Corrosion Protection team.

Materials:

Epoxy resin Coroflake 23, based on novolac vinyl ester with inert flakes



Corrosion protection of a fiberglass tank for hydrochloric acid

Technical details

The anticorrosive system for the exterior fiberglass system of the hydrochloric acid tank was performed with a system that consists of high performance products: Ultraperform 2R and Proguard 169.

The main goal was to fully cover all pores and small holes in the tank wall and prevent all possible leaks of HCL.

Materials:

High performance products based on ceramic polymers Ultraperform 2R and Proguard 169





Metal manufacturing and corrosion protection services

Case study

Rubber lining and special acid-proof painting materials were used to protect a portable washing plant.

In addition, B-Team Corrosion Protection was also responsible for performing of various auxiliary works, such as preparation of the surfaces and treatment of steel, as well as all sanding and priming activities, technical inspections and testing the continuity of the surface using specialized equipment.

The technical solution selection for anticorrosion protection was based on corrosion and abrasion factors that impact the metal confection, as well as pressure and humidity.

Before applying a corrosion protection, it was performed a systems selection, evaluation and preparation of materials, so they can be calibrated at the level required by quality standards (no lamination defects, visual and penetrant welds, welds radius verification, retouching execution)

Technical details

- Primer Coropur Zinc M
- COVER COROPUR RAL polyurethane paint
- PR 304 Primer
- Remaline 35 CN - 6 mm rubber
- Remaline 40 CN – 10 mm rubber

CASE STUDIES

Application of acid-proof bricks and mortar for wastewater tanks

Technical details

The combined complex system applied, resistant to aggressive chemical agents, consists of acid-resistant rubber lining and acid-proof bricks with corresponding acid-proof mortars.

Our experienced application team analyzed the current loads and stresses to choose the right application procedure and technical solution, to ensure maximum service life.

Materials:

Chemokitt FU synthetic resin mortar
65 mm acid-proof brick linings
Chemoline 4 CN rubber lining



Screed application and multiple anticorrosion systems on various surfaces

Technical details

Application of a corrosion protection system at a retention tank of hydrochloric acid (HCL) (screed, two component anti-acids resin layer, sand, anti-acid mortars, anti-acid tiles).

Along with HCL retention tank, the project involves the application of a rubber-system for a reaction vessel, and a system recovery storage of the hydrochloric acid storage tank wall.

Materials:

Screed application;
A layer of bicomponent coating (primer and topcoat) of anti-acid resins
12 mm anti-acid tiles;



We deliver complete projects so you can focus on your core business, ensuring that your plant continues to operate both economically and efficiently.

We combine technical expertise, experience and a well trained team to provide high quality surface protection for:

- ✓ Flue Gas Desulphurisation Plants
- ✓ Chemical Industry
- ✓ Petrochemical Industry
- ✓ Power Station/ Energy Industry
- ✓ Extractive Industry
- ✓ Metallurgical Industry
- ✓ Pharmaceutical Industry
- ✓ Food Industry
- ✓ Paper and pulp Industry
- ✓ Fertiliser Industry
- ✓ Industrial water treatment works
- ✓ Waste incineration
- ✓ Chimneys and flue gas ducts
- ✓ Electroplating Industry

Our customers benefit from an uniquely broad range of surface coating technologies solutions and services. We control the entire coating process, from our initial discussion about your needs, up to the delivery of products and to the completed coated parts.

B-Team Corrosion Protection has a long track record of projects, with references, ranging across all industry segments, substrate types and environmental conditions.

➤ Small cross section of projects profiles which were performed recently

- ⇒ SIMTEX Industry Solutions, Linz, Austria
- ⇒ TIP TOP Oberflächenschutz Elbe, Warstein, Germany
- ⇒ TIP TOP Oberflächenschutz Elbe, Wittenberg, Germany
- ⇒ ULINCO Vultech AB, Landvetter, Sweden
- ⇒ REMA TIP TOP/RWE Germany
- ⇒ BABCOCK NOELL/REMA TIP TOP, Germany
- ⇒ ArcelorMittal Galati, Romania
- ⇒ Kemwater Crystal, Romania
- ⇒ Protectchim Onesti, Romania
- ⇒ Dynea Resins, Romania
- ⇒ Chimcomplex S.A, Romania
- ⇒ Flue gas desulphurisation plant Turceni, Romania
- ⇒ Flue gas desulphurisation plant Isalnita, Romania
- ⇒ Flue gas desulphurisation plant Rovinari, Romania
- ⇒ IMSAT Groupe, Romania
- ⇒ KEMCRISTAL, Romania
- ⇒ CNU Feldioara, Romania



We guarantee a high standard of quality – for both our products and the services we provide

High-performance services

Consulting

We evaluate all features related to safety, functionality, usability, durability and cost. Our team will examine all the aspects related to your plant, including procedures and external influences (like media compositions, concentrations, temperatures). We recommend the optimum technical solutions adapted to your specific requirements.

Offer and planning

Whether we provide rubber lining services, complex resin application, acid-proof painting application or long-term monitoring, our goal is the same: to obtain efficiency and optimum results for your projects. For each specific task, we develop an individual corrosion protection solution and plan, with a comprehensive range of services.

Applying coatings and lining protection systems

Our corrosion protection services are based on the comprehensive experience of our qualified team. The corrosion protection team includes highly trained specialists who are involved in both national and international projects.

Maintenance and Service

We will monitor the product installation at regular time intervals and recommend further optimization where appropriate. Following certain procedures, you will benefit from structural integrity for continuous safety.

Talk to us today!

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