



Metalyzinc®

Anticorrosive • Protection



**The Most Complete
Service Enterprise
Dealing with
High Quality
Anticorrosive
Protection in México.**

Metalyzinc

GRUPO



PROTECT YOUR INVESTMENT FROM CORROSION

METALYZINC® S.A. de C.V. part of the Cobos Group (founded in 1934), is the first Mexican firm to use thermal spraying (metallizing) with zinc, aluminium, and their alloy (Zn85%, Al15%) since 1989. Taking advantage of this technology and the more popular hot dip galvanization, from the very beginning **METALYZINC®** has achieved impressive results in anticorrosive protection, having perfected the application and finishing processes. Research consultants and clients recognize the fact that in most cases paint products alone do not give as positive results as the **METALYZINC®** systems for longer and more reliable protection.

OUR SERVICES

- ➔ HOT-DIP GALVANIZING
- ➔ THERMAL SPRAYING OF ZINC, ALUMINIUM AND ZINC-ALUMINIUM
- ➔ ZRC COLD GALVANIZING
- ➔ GRIT-BLASTING AND SAND-BLASTING
- ➔ PAINTING
- ➔ CORTEC'S VCIs (Vapor Corrosion Inhibitors) FOR MULTIMETAL PROTECTION
- ➔ THERMAL SPRAYING OF PLASTICS
- ➔ STEAM CLEANING AND DEGASSING
- ➔ METAL ALKALINE AND STEAM DEGREASING
- ➔ HYDROCHLORIC ACID PICKLING

INTEGRAL ANTICORROSIVE SYSTEMS FOR IRON OR STEEL

For our customers' satisfaction and convenience we offer very resistant **duplex-primer coatings** which, because of their galvanic (cathodic) nature, guarantee long protection with or without finishing coats.

A) METALYZINC SYSTEM™

Comprised of: Grit or sand blasting + Thermal Spraying of Zn85%, Al15% Alloy + Vinyl-Epoxy Seal

B) GALVANIZINC SYSTEM™

Comprised of: Alkaline Degreasing + Rinsing + Hydrochloric Acid Pickling + Rinsing + Fluxing + Drying + Ni-Zn Hot Dip Galvanizing + Special Primer



Got rust?

**ZINC NOW,
DON'T LET IT RUST!**

OUR FACILITIES

Areas: Indoors: 7000 m² (1.73 acres) Outdoors: 12000 m² (2.96 acres)

Cranes:

Four 6000 kg (13000 lb) and one 3000 kg (6500 lb) bridge cranes.

One 11000 kg (24000 lb) battery-powered mobile crane

Two 1000 kg (2200 lb) mobile electric hoists

Three 1000 kg (2200 lb) fork lifts

Cleaning baths:

One alkaline degreasing bath – 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

One rinsing bath - 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

Three pickling baths - 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

One rinsing bath - 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

One flux bath - 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

Drying pits: Two - 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

Galvanizing kettle: One - 7m (23') long, 1.5m (4.9') wide, 2.5m (8.2') deep

Water quenching bath:

One - 12.5m (41') long, 1.5m (4.9') wide, 2.5m (8.2') deep

Steam generator: One – 40 CC (40 BHP)

Steam cleaning equipment: One unit

Air compression: 250 HP

Thermal spraying (Metallizing) guns: five

Blast cleaning rooms:

One steel grit – blasting room, 20m (65.5') long,

5m (16.4') wide, 3.90m (12.8') high

One sand – blasting room, 20m (65.5') long,

9m (29.5') wide, 6m (19.7') high

Blasting equipment: Four sets

Painting equipment: Several air and airless spraying units

WE PROTECT

Structural steel work for conveyors, bridges, buildings, houses, ships, industries, water and wastewater treatment plants, power transmission and telecommunication towers, billboards, tanks and all kinds of heavy equipment and installations.

Street, road, highway, and railway furniture such as stoplights, lighting columns, platforms, guardrails, traffic signs, fencing, ballustrades, passenger shelters, sheds, culverts, street gullies, manhole covers, etc.

Parkway and garden furniture such as seats, benches, swingsets, slides, dustbins, signs, etc.

Reinforced steel for concrete such as rods, corrugated bars, welded mesh, etc.

Farming equipment such as fences, stockyards, spray irrigation systems, watering troughs, feeding equipment, scales, etc.

Vehicles such as tankers, Flatbeds, dump trucks, covered vehicles, and essentially all kinds of truck or trailers.

Marine and boat equipment such as buoys, boat trailers, anchors, bits, seawater pipes and valves, stairs, ladders, ballustrades, etc.

Tank/silos for water, oil, gas, food, chemical products, etc.

Industrial equipment for petrochemical, chemical, packaging and food processing, drink bottlers, cement, steel, sugar, electrical, ice, paper, boiler, salt, and many other factories.

Commercial-steel commodities such as pipes and tubes, round, square and rectangular mechanical and structural tubing, plates, screens, U-channels, angles, I, T, H, and Z shaped beams, flat, round, hexagonal and square bars, joist beams, Irving grids, tread plates, fasteners, and several kinds of fittings.

Electric transformers and ironwork for power companies.

Artistic wrought-iron work for ornamental railings.

Sports equipment such as goal posts for football, soccer, basketball, and other sports goals, gymnastic apparatus, and all kinds of ancillary equipment.

We can protect almost any iron, steel or even non-ferrous metals from the smallest screw to the largest ship.



SUITABLE PERFORMANCE

Being able to apply a wide variety of treatments and coatings, we are in a better position than others to offer adequate solutions to our clients' corrosion problems. Therefore, by taking into account the features of corrosion the item, expected life, future environment as well as what is technically and economically feasible, we can apply our long protection (10, 20 or many more years without corrosion) the Metalyzinc and Galvanizinc Systems (with or without finishing coatings). These also permit easy and economical repair when eventually, in the far future, a local failure presents itself. Or, if, for any reason, neither of the mentioned systems is convenient, we can help our client select the most appropriate solution among high performance paints (epoxy, urethane, acrylic, alkyd etc.), thermal sprayed plastic coatings, and Cortec's inhibitor products.

QUALITY

From the beginning, we have been committed to working according to the highest quality standards in order to assure our customers satisfaction in the long run. With that aim in mind we follow NMX (NOM), SSPC, ASTM, AWS and ISO recommendations depending on the particularities of the item and the necessary protection. Many institutions and enterprises, such as Petróleos Mexicanos (PEMEX), Instituto Mexicano de Investigaciones de la Corrosión (IMICORR) and Instituto de Investigaciones Eléctricas (IEE), trust and depend on our experience and knowledge to establish new anticorrosive standards.

DEPENDABILITY AND SUPPORT

Metalyzinc S.A. de C.V. is a member of the Mexican (AMEGAC), Spanish (ATEG) and European (EGGA) General Galvanizers Associations. Metalyzinc S.A. de C.V. rely on their support as well as the recommendations of several internationally renowned companies such as METCO-SULZER, UTP, ZRC, ZINACOR, CORTEC, PEÑOLES, COMINCO, BERG, SHERWIN WILLIAMS, AMERCOAT, HEMPEL, HENKEL, and others.

LOCATION

Our facilities are located in the Bruno Pagliai Industrial Park in the city of Veracruz, which is home to the main national port on the Gulf of México. Most of the maritime international trade with the eastern and southern coast of the USA, as well as European, African, Caribbean, Central and South America countries use the Veracruz Harbor facilities, because of its strategic location, reliable services and ease of railway, road and air communications with the rest of México. In addition, this geographical area is highly corrosive and so we live on the edge of fighting corrosion. We observe, on a daily basis, which protection is going to be successful in most environments. Given the facts that we have corrosion know how, large facilities, technical expertise and a strategic location,

Metalyzinc is your best option for anticorrosive protection in México.



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