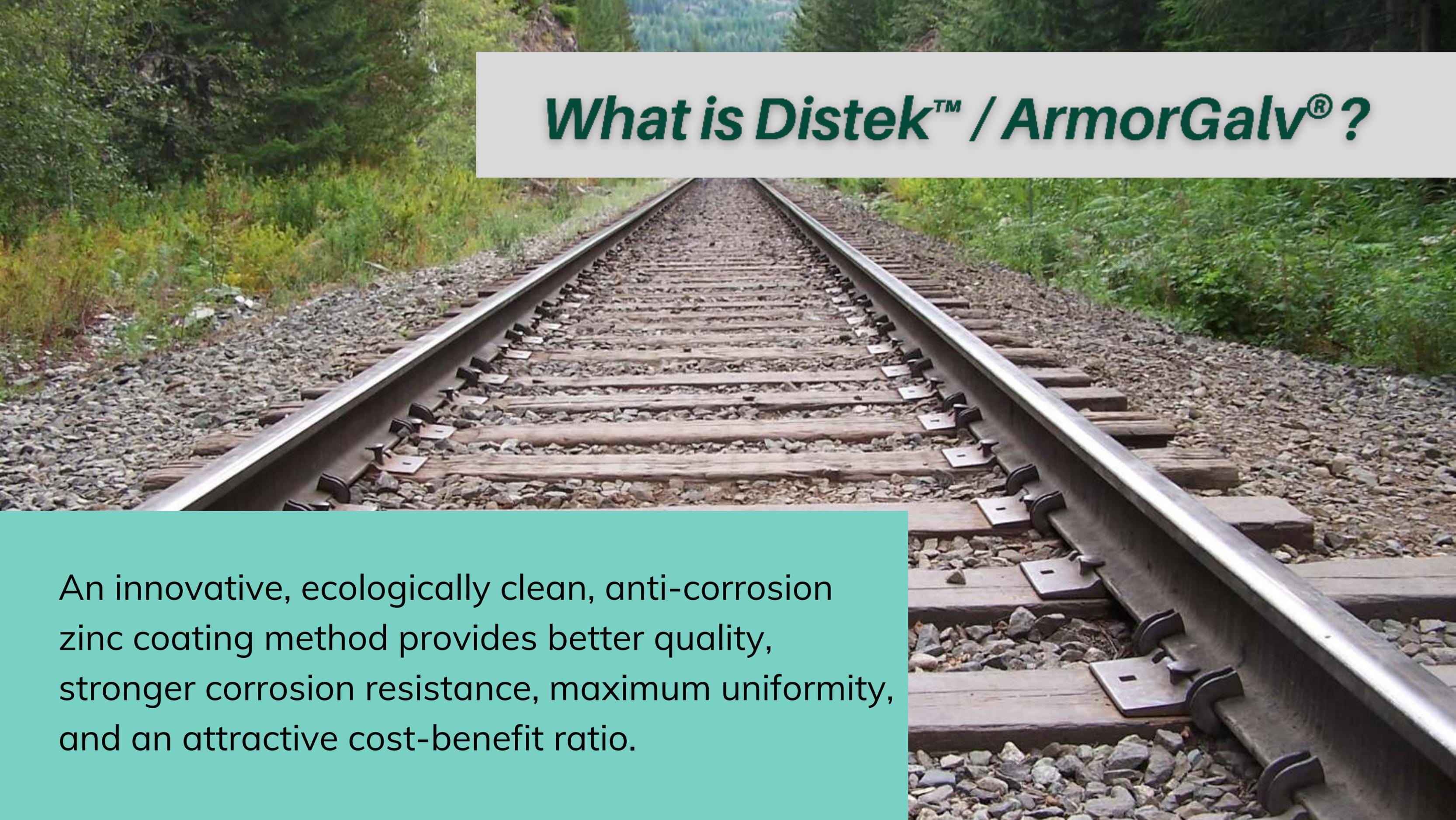


Distek™ (ArmorGalv®)

Thermal Diffusion Zinc Coating

*The better way to protect
your products against
corrosion*





What is Distek™ / ArmorGalv®?

An innovative, ecologically clean, anti-corrosion zinc coating method provides better quality, stronger corrosion resistance, maximum uniformity, and an attractive cost-benefit ratio.

We help manufacturers cut their costs dramatically by allowing them to make their anti-corrosion coating in-house with green, easy-to-operate TDG coating lines.

History

events of the p
developm

1993

Dr. Shtikan won a grant from the Israel Chief Scientist and started the development of the Distek™ technology.

1995

Completion of the development. The first Distek™ coating line has been sold to a Russian company.

2007

The establishment of Distek North America and the development of the ArmorGalv® process.

2014

The establishment of Distek China and sale of the first Distek™/ArmorGalv® lines in the Far East.

2022

The company continues to expand while constantly improving and working on new developments.

Distek™ (ArmorGalv®) ***worldwide***



Since finishing the technology development in 1995, we established dozens of licensees worldwide, including in the US, Europe, China, Japan, South Africa, Russia, Canada, Australia, Israel, and Turkey.

Industries



Marine



Oil & Gas



Railway



Automotive



Construction



Metro



Electricity



Energy

Among Our Clients



Services



Line

We will plan, design, and produce the coating line most suitable for your company's needs.

Powder

A unique mixture developed by the Distek company consists of zinc powder and other materials.

Materials

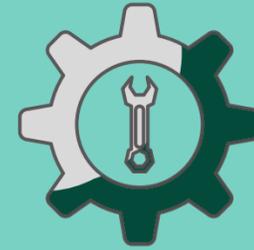
An integral part of the technology is the passivation process; involves patented chromate-free solutions developed by the Distek company.

Advantages

Our unique coating process performs much better results in every significant aspect.



Maximum Protection



Corrosion resistance up to 3000 hours in SST

Minimal Pretreatment



No need for a chemical process before coating

Maximum Uniformity



Guarantees uniform thickness even on tubes and internally threaded parts.

Cost - Effectiveness



Save energy, no wastewater, no additional expansions on environmental issues

***Completely
Ecologically Clean***



Won the Pollution Prevention Award
(MVP2), presented by the US EPA.

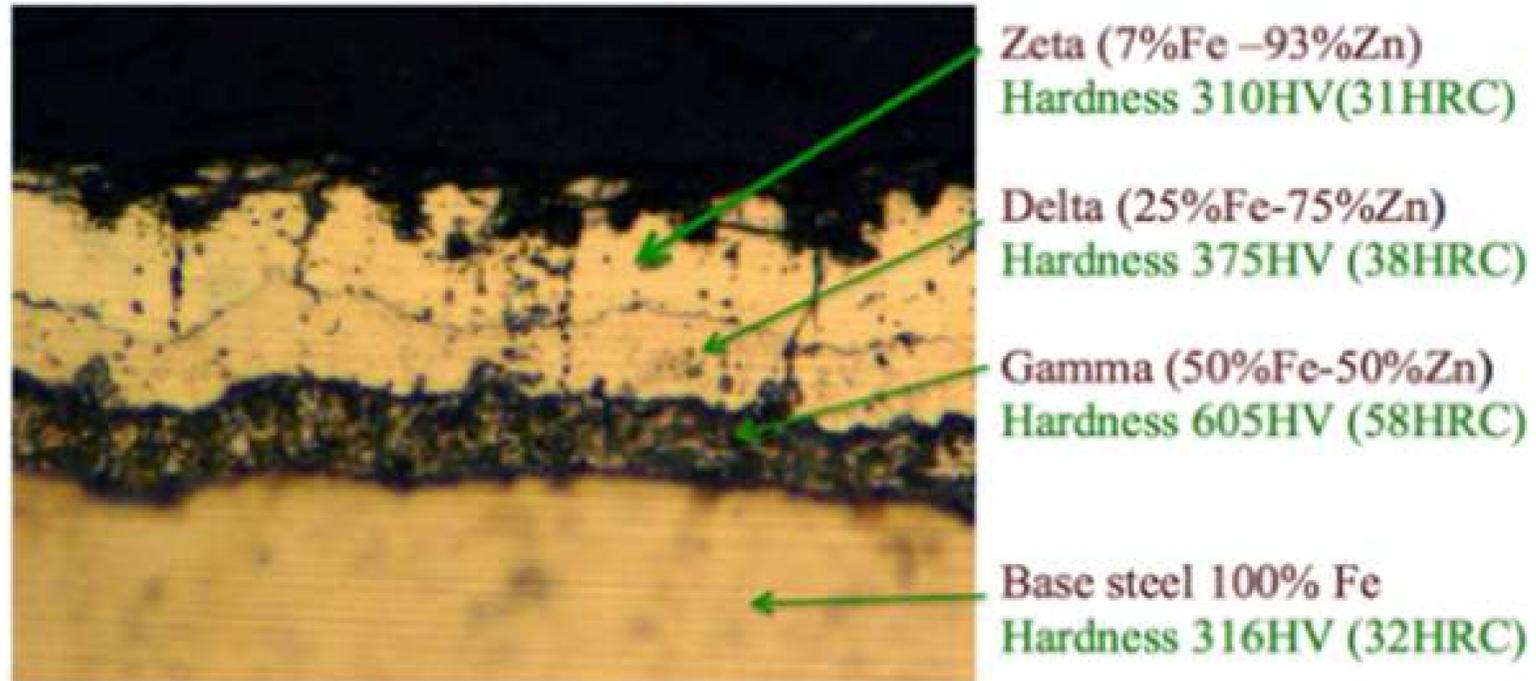
Dry Process

No acids or toxic elements, and
nothing is thrown into the sewer.

No Wastewater

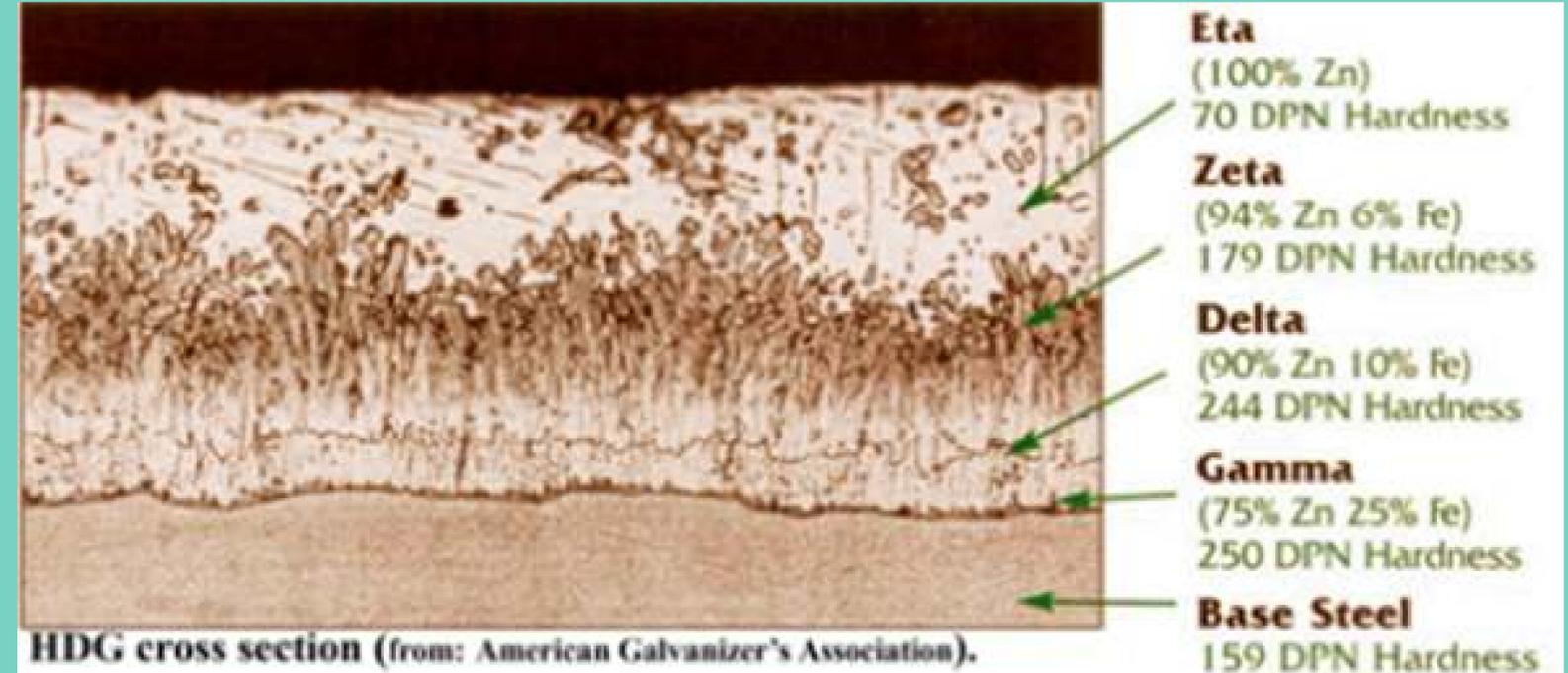
Distek lines include a water-cleaning
system that recycles the water.

Distek™/ArmorGalv® VS. HDG



ArmorGalv® cross section

Distek™ (ArmorGalv®) has a 100% intermetallic alloy structure, with a significant Gamma layer and a more iron-rich structure than HDG. The ArmorGalv® layer is hard and abrasion-resistant, while the richer iron content also provides superior corrosion resistance.



HDG, most of the time, has a pure zinc layer that is more than half of the coating. The intermetallic alloy layers are much thinner (particularly the very thin Gamma, which is the hardest and most corrosion-resistant) and poorer in Iron content.

Distek™/ArmorGalv®

Superior Corrosion
Resistance



No Hydrogen
Embrittlement Failures



High Precision and
Uniformity



Environmentally
Friendly



Hot-Dip Galvanizing

Lower Corrosion
Resistance



Hydrogen Embrittlement
Failures



Poor Precision and
Uniformity



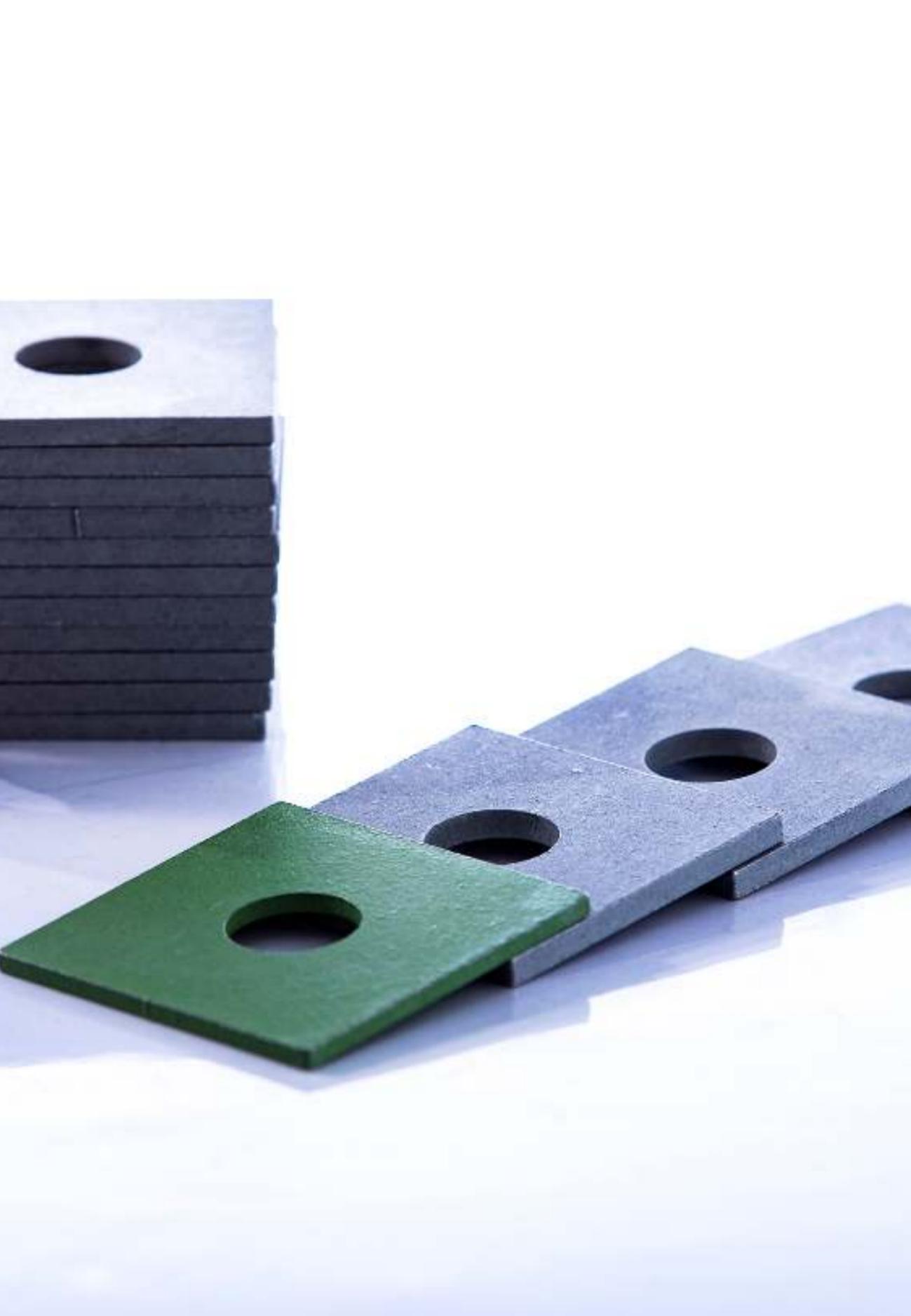
Not Environmentally
Friendly





performance in severe salt environments with and without abrasion show a 5 to 10 times improvement in performance with the TZD-coated steel versus HDG steel. Steel coated



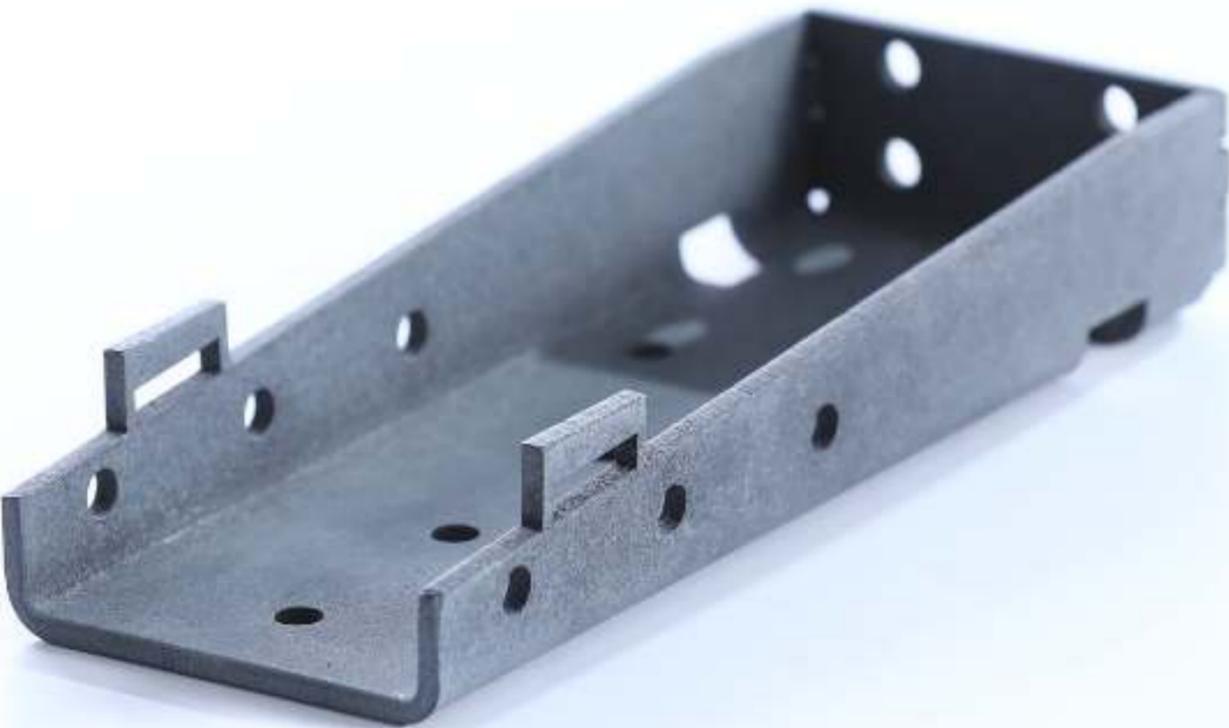


Standards

Distek™ /ArmorGalv® coating conforms to the following standards:

- ASTM A 1059A/1059M - 08
- BS-EN 17668:2016
- Russian standard GOST R 9.316 - 2006
- Israeli standard 4271

How it Works?



STEP 1



We plan, design, and manufacture the line most suitable for your products and needs.

STEP 2



We ship, assemble, start-up the line, and train the local staff.

STEP 3



During the years, we supply the patented powder and materials and technical support and advice.

Once a year, we visit our licensee place, ensure everything is done correctly, and renew the certification to use the name Distek™/ArmorGalv®.





Let's Talk

In a world of growing and uncompromising demand for better quality on the one hand, while preserving the environment on the other, the Distek™ / ArmorGalv® technology is the ideal solution.