



Coral Eco-Treat® metal treatment solutions provide an ecological and economical alternative to phosphate pretreatments.

Our uniquely-formulated low and no-phosphate Coral Eco-Treat® products provide:

- “Green” solutions for pretreatment processes
- Energy cost savings
- Customized pretreatment solutions tailored to your application

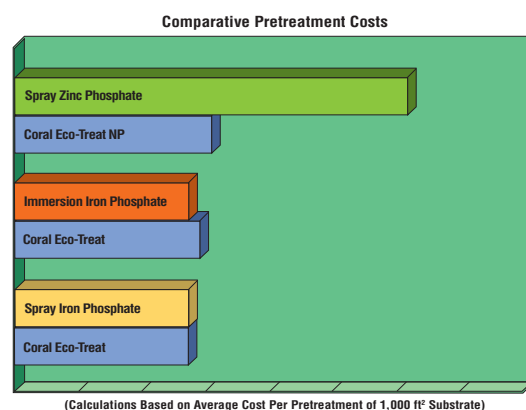
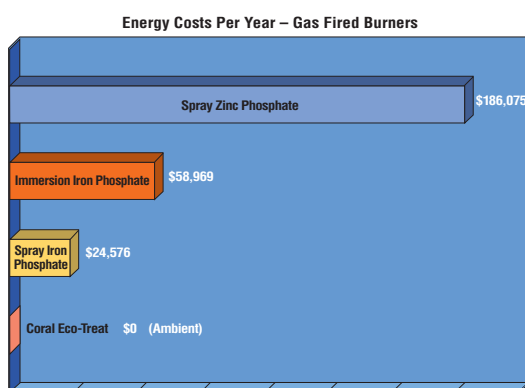
Ecological

Most of our Coral Eco-Treat® products completely eliminate phosphate wastewater concerns during the metal treatment stage. Removing phosphorous allows metal finishers to meet local discharge limits, and virtually eliminate the need to meet the compliance requirements under the Federal Metal Finishing Discharge Standard (40CFR433). Plus, the sludge generated from the treatment of this phosphate-free wastewater is no longer automatically classified as hazardous waste under the Hazardous Waste Code F019.

In addition to their phosphate-free benefits, Coral Eco-Treat® products require no heat energy which reduces the carbon monoxide and dioxide emissions associated with burning fossil fuels.

Economical

Coral Eco-Treat® products are designed to operate at ambient temperatures, providing significant energy savings. By eliminating phosphates and applied heat during the treatment stage, sludge and scale formation is greatly reduced resulting in substantial maintenance and disposal cost savings.



Effective

Coral Eco-Treat® products are effective alternatives to traditional iron phosphates, and have successfully replaced zinc phosphate pretreatments.

Expertise

For over ten years, Coral Chemical has been in the forefront of innovative pretreatment technology. As one of the pioneers in new transitional metal conversion coatings, Coral Chemical provides the experience and know-how needed to support our metal finishing customers. Our commitment to superior product performance and customer-driven solutions provides the tools our customers need to be successful.



Depending on your specific application, we will analyze your finishing process and recommend the best Coral Eco-Treat® solution for excellent finishing performance.

Coral Eco-Treat®

- Very low in phosphate
- Multipurpose product for aluminum, steel and zinc substrates
- For use in 5-stage process or larger

Substrate	Paint	Performance	Iron Phosphate
CRS	Polyester Powder	0.3 mm	4.3 mm
HRPO	Urethane Powder	0.8 mm	1.7 mm
CRS	Epoxy E-coat	2.8 mm	0.0 mm (zinc)

Coral Eco-Treat® NP/NPLF

- No phosphate
- Multipurpose product for aluminum, steel and zinc substrates
- Great corrosion resistance on aluminum and steel
- For use in 3-stage and larger processes

Substrate	Paint	Performance	Metal Phosphate
CRS	Epoxy E-coat	0.1 mm	1.4 mm (zinc)
HDG	Epoxy E-coat	1.7 mm	2.1 mm (zinc)
CRS	Hybrid Powder	0.8 mm	1.0 mm (iron)

Coral Eco-Treat® PFS

- No phosphate
- Multipurpose product for aluminum, steel and zinc substrates
- Great corrosion resistance on aluminum, steel and zinc substrates
- For use in 3-stage and larger processes

Substrate	Paint	Performance	Iron Phosphate
CRS	Hybrid Powder	3.0 mm	3.0 mm
CRS	Hybrid Powder	1.1 mm	2.1 mm
Aluminum	Hybrid Powder	0.2 mm	1.0 mm
CRS	High Solids Liquid	2.3 mm	2.7 mm

Coral Eco-Treat® PLUS/DIP PLUS

- No phosphate
- Multipurpose product for aluminum, steel and zinc substrates
- Superior corrosion resistance on steel
- For use in 3-stage and larger processes

Substrate	Paint	Performance	Iron Phosphate
CRS	Polyester Powder	0.1 mm	1.9 mm
HDG	Polyester Powder	1.1 mm	2.7 mm
Aluminum	Polyester Powder	0.1 mm	2.3 mm