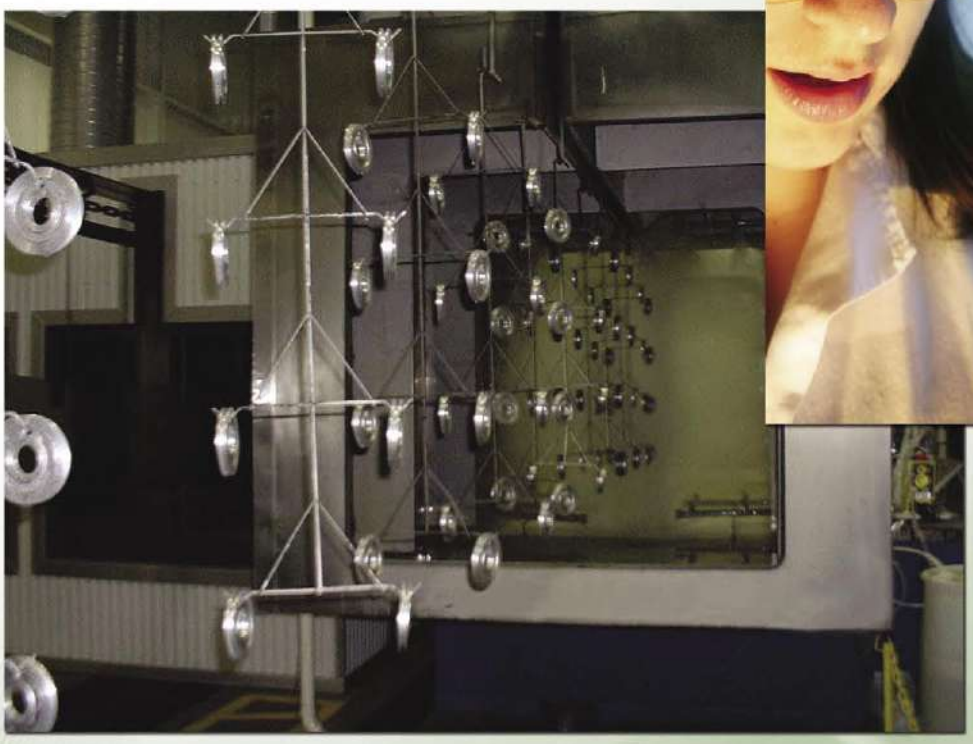


Zirconization™

- **High Performance**
- **Low Temperature**
- **Phosphate-Free**

DuBois
Sustainable Cleaning Solutions

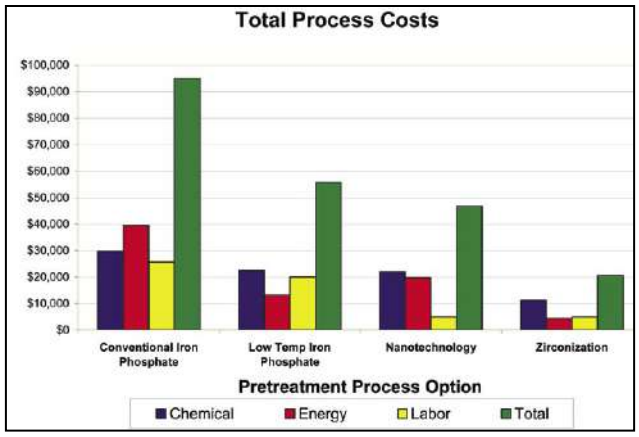
Why Phosphatize When You Can Zirconize?

Run your system Lean, Green, and Clean while eliminating iron phosphate from your paint pretreatment process.

LEAN

The Zirconization Process reduces heat and therefore provides increased energy savings. Additionally, cost savings are realized due to less chemical consumption because of improved efficiency.

Zirconization will also save maintenance costs. Tank and nozzle cleaning time will be reduced due to our low sludging formulas.



Zirconization reduces chemical, energy, and maintenance costs compared to other pretreatment processes.

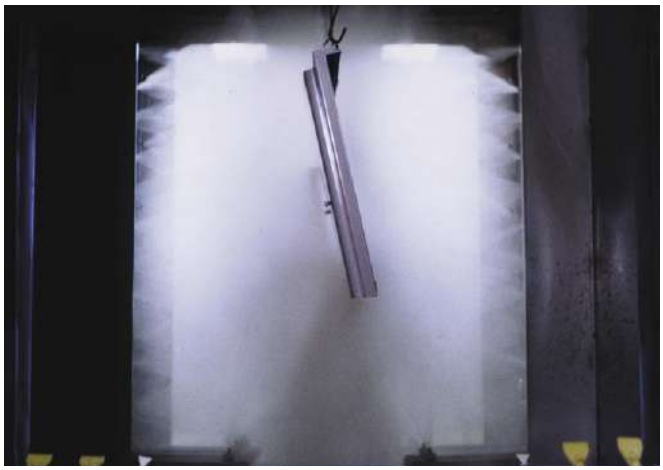
GREEN

The Zirconization Process helps to protect the environment as a green alternative to traditional iron phosphate.

- Phosphate-free formula
- Low energy consumption
- Low sludge
- Reduces water usage

CLEAN

An integral part of the Zirconization Process involves cleaning the part prior to the treatment stage. While any cleaning chemical can be used, Zirconization is especially effective when using Met-ALL TERJ liquid cleaner and, if needed, SurSolv additive in the cleaning stages.



Zirconization minimizes the amount of maintenance required to operate at peak efficiency.

RESULTS

The Zirconization Process provides excellent corrosion resistance and paint adhesion when compared to traditional iron phosphate.

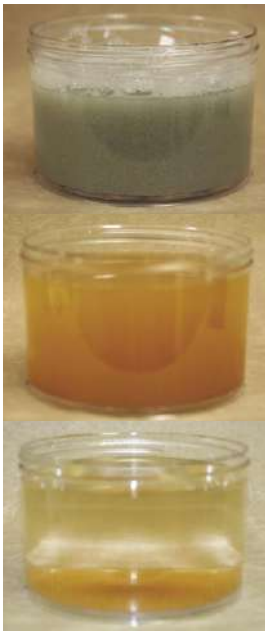
If you currently utilize iron phosphate chemistry, you can count on the DuBois Zirconization Process to match or exceed your current corrosion resistance and adhesion requirements. Parts processed through this process consistently out-perform ACT Bonderite 1000 P95 panels.

Both conventional iron phosphate and the Zirconization Process produce an even blue, purple, or gold coating depending on the process parameters.

Our low foaming, low temperature chemistries eliminate the need for the application of expensive time consuming defoamers that are difficult to apply.

> *"You can tell by just walking through the washer, there is a lot less foreign material on the walls. There used to be brown sludge on the interior walls of the washer when we used an iron phosphate. This material eventually hardens and has to be removed."* - Ted Schreyer, VP Operations, Associated Finishing

Zirconization reduces sludge and scale build-up typical of conventional iron phosphate process.



Conventional Iron Phosphate

Nanotechnology

DuBois DuraTEC 100

Sludge Comparison

Product Descriptions

DuraTEC 100
Our flagship nonphosphate paint pretreatment product. It was designed for use in five or more stage washers. DuraTEC 100 has consistently beaten the competition in performance with a variety of paint coatings and reduced the maintenance issues associated with pretreatment wash baths.

DuraTEC 110
The newest addition to the DuBois nonphosphate paint pretreatment line. This product is designed to clean and pretreat in one step. It is "the" nonphosphate product of choice for three stage wash systems. DuraTEC 110 will handle a wide variety of tough soils and operates as low as 90°F.

DuraTEC Wand 150/300
These two nonphosphate products are specifically for pressure wand applications. DuraTEC Wand 150 will operate in water conditions below 150 PPM of "M" alkalinity and DuraTEC 300 will operate in water up to 300 PPM of "M" alkalinity. Both will handle a wide range of soils and will provide excellent paint/coating performance.

Wouldn't You Rather Zirconize Than Phosphatize?

Contact DuBois today to start saving money on your pretreatment process.

DuBois Chemicals
3630 East Kemper Road
Sharonville, OH 45241-2011
800 438 2647

In Canada
3450 Ridgeway Drive, Unit 2
Mississauga, ON L5L 0A2
866 861 3603

www.duboischemicals.com