



Fast, Kinetic-Efficient, Zinc-Phosphate System



Features

- Liquid product for ease of handling and dispensing
- High-efficiency deposition produces ultrafine-grain zinc phosphate with increased operational robustness
- Less sludge generation than traditional zinc phosphates means easier maintenance
- Fine, densely packed crystals produce lower weights that may reduce coating costs
- Coats aluminum substrates better than traditional zinc phosphates, allowing for higher concentrations of aluminum to be processed in a mixed-metal line
- Bath life is extended significantly over traditional rinse conditioners, which may translate to lower cost application
- Performance is as good as or better than standard zinc-phosphate systems
- Meets many OEM standards



Extends bath life and accelerates topcoat bond formation on mixed-metal applications

Versabond zinc-phosphate pretreatment system combines the new liquid *Versabond* rinse conditioner and CHEMFOS™ 700VM/VR tri-cation zinc phosphate, producing an ultrafine, grained base for electrocoat, liquid and powder topcoats on steel, galvanized steel and aluminum substrates.

The rinse conditioner accelerates bond formation with the topcoat, particularly on surfaces with higher concentrations of aluminum. The process supports lightweighting of trucks and passenger vehicles while reducing waste and energy use during production.

The process can be installed into most existing zinc-phosphate lines without changing the process footprint or flow.

Typical Uses

- Automotive small parts, sub-frames and frames
- Appliance and refrigeration
- Heavy-duty equipment
- Farm equipment
- Paint base for general industrial applications

Product	Concentration	Cure Temperature	Application
<i>Versabond</i> Rinse Conditioner	0.68 gal. / 1,000 gal.	Ambient to 90° F	Spray or immersion
<i>Chemfos</i> 700VM	3% / Volume	100 to 120° F	Spray or immersion
<i>Chemfos</i> 700VR	3% / Volume	100 to 120° F	Spray or immersion

