

Pretreatments



PPG Industries is dedicated to offering a wide range of quality automotive pretreatments and ancillary products that prepare the vehicle metal surfaces for application of corrosion resistant primer and subsequent top coat finish. These technologies are applied onto the automotive body through a series of immersion or spray baths. Metal pretreatments provide the foundation for automotive OEM paint finishes. These pretreatments add value by reacting with the metal surface to impart coatings that improve paint adhesion and corrosion performance.

CHEMFOS™ TRI-CATION ZINC PHOSPHATE

- Multi-metal capable (CRS, EG, HDG and Al)
- Ability to treat up to 25% aluminum
- Can be applied by Spray or Immersion

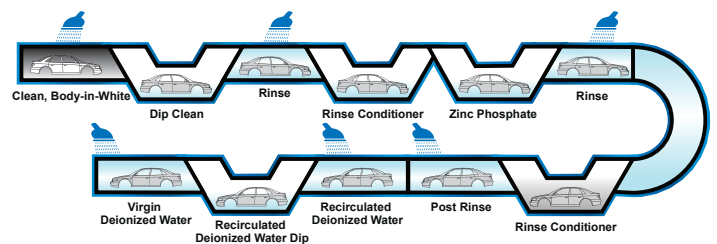
VERSABOND™ FAST KINETICS EFFICIENT ZINC PHOSPHATE

- Rapidly deposits a microcrystalline tri-cation phosphate coating
- Reduces sludge generation up to 50% reducing waste and maintenance
- Ability to treat up to 50% aluminum to accommodate light weighting strategies
- Improved corrosion performance on aluminum
- Capable of extending zinc phosphate bath temperatures down to 35°C
- Drop-in technology requiring no system modification

ZIRCOBOND® THIN FILM PRETREATMENT

- Environmentally minded cost saving technology
- Functionally equivalent to traditional zinc phosphate coatings
- Multi-metal capable (CRS, EG, HDG and Al)
- Capable of processing up to 100% aluminum
- Reduces sludge up to 90% when compared to zinc phosphate
- Reduced manufacturing footprint

Conventional Pretreatment Footprint



ZIRCOBOND® Pretreatment Footprint



*Every paint shop line is unique. The above diagram is only one example of how an automotive OEM pretreatment process might be set up. Each specific application scenario must be evaluated individually to determine the potential for process minimization.



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