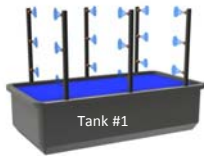




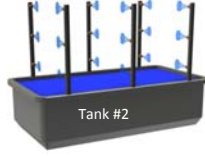
# CAL PREP® RK1488

The newest conversion coating for all metals

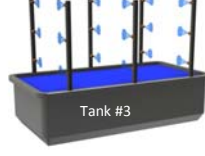
## Traditional Pretreatment System



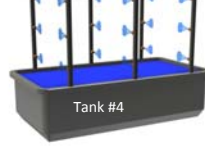
**ALKALINE CLEANER**  
Heavy-Duty, free-rinsing  
120° F - 150° F



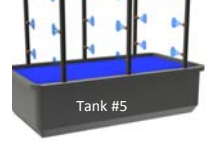
**RINSE**  
Overflowed to maintain  
<800 p.p.m.



**ZINC PHOSPHATE or  
IRON PHOSPHATE**  
110° F - 150° F

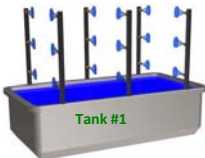


**RINSE**  
Overflowed to maintain  
<800 p.p.m.

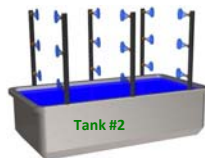


**SEAL**  
Ambient temperature

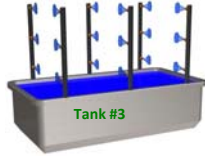
## Proposed Pretreatment System



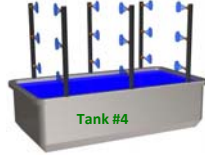
**ALKALINE CLEANER**  
Heavy-Duty, free-rinsing  
non-silicated  
120° F - 150° F



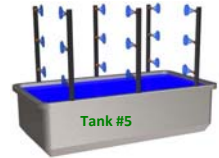
**RINSE**  
Overflowed to maintain  
<800 p.p.m.



**RINSE**  
Overflowed to maintain  
<800 p.p.m.



**CAL PREP® RK1488**  
Ambient conversion coating  
treats all metals  
produces no sludge



**RINSE (OPTIONAL)**  
Overflowed to maintain  
<500 p.p.m.  
If ecoating, DI/RO water  
rinse required

## **SUGGESTIONS**

1. Consider installing an R.O. system so entire washer is on purified water  
This is not mandatory, but will extend bath life and decrease scaling in pipes and nozzles.

## **ADVANTAGES**

1. No phosphate or phosphate sludge in tanks or risers
2. Imparts great resistance to corrosion on parts of all metal types without bath adjustment
3. Lower temperature in stage 1- saves energy
4. Only one heated stage - saves energy
5. Very low conductivity in stage 4- easier rinsing, better performance in seams
6. Can be dumped to drain because of low conductivity and "green" chemistry
7. Much lower overall maintenance time and cost
8. Improved performance over iron and zinc phosphate
9. Will work in mild steel or stainless washer construction

Panel to the right was exposed to 1,000 hours of salt spray. This panel was pretreated in the proposed ambient treatment system, and shows no corrosion and very little creepage from scribe.



CAL PREP® RK 1488

The panels to the right are various Bonderite control panels after 1,000 hours of salt spray exposure. The proposed treatment system actually does better in salt spray than these, which are still considered industry standards.



Bonderite 1000  
Iron Phosphate



Bonderite 952  
Zinc Phosphate



Bonderite 1000 / Parcolene 60  
Iron Phosphate w/chrome seal

\*Bonderite panels purchased from ACT  
\*DuPont Sky White PFW510S9