

Summertime Corrosion: Steel Session Questions and Answers

Q: For added rust protection you suggested adding an RP into the rinse stage of an aqueous process. How does this work?

A: An RP is added directly into the rinse water at the desired percentage depending on the level of protection required. As the parts are rinsed and the water dries, a dry film protectant remains on the parts.

Q: Once the RP is added to the parts will it affect further processes?

A: Depending on the level of protection needed the RP doesn't interfere with further assembly processes. In some applications, parts are painted with the RP still on them with excellent results. If you need to remove the RP this can be done by re-rinsing the parts in fresh clean water.

Q: Can I apply an RP when I'm cleaning dissimilar metals in the same bath?

A: Yes, you can use an RP in this application and the RP will be on all the wetted surfaces but usually does not darken or discolor the surface.

Q: Is there an easy method to remove rust once it appears on the surface?

A: The method of removing rust is determined by its severity. Many times a low PH acid bath will work. Depending on the configuration of the parts a tumbling operation or media blast may also work. If the parts are very large or have machined surfaces a manual operation may be required.