

PHOSPHATIZING AND PAINT ADHESION TESTING

Commercial Industrial Supply Co., Inc. ("CISCO") is an industry leader in pre-treatment finishing systems.

We offer custom-blended iron phosphatizing products ("Ferricote") specially formulated to produce peak cleaning, iron-phosphatizing and paint adhesion results.

Our rigorous testing process provides our customers with visual and written feedback of iron phosphatizing and paint adhesion tests. Customers can see and compare the results of their existing pre-treatment system and the proposed pre-treatment system. They will know exactly what works and what doesn't and be able to make more fully informed business decision based on cost/benefit preferences.

Testing is performed at the customer's shop, using their water, steel and paint.....so it accurately reflects the actual results achievable during production.



Throughout the process, our technicians provide knowledge and help troubleshooting problems with degreasing, flash rust, and chemical application to help get better results.

We know that the quality of your paint adhesion and final products rely on ***pretreatment chemicals that work***. Our products have been used in the metal fabrication industry since 1991.

As the manufacturer of iron phosphatizers, degreasers and other cleaners, we offer the most competitive prices available.

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1. Collect Data: Onsite review of the current pre-treatment process - Chemicals, Application, and Equipment.

2. Collect Samples: Representative metal and water samples are brought back to CISCO shop. The water sample must be representative of the water used in the cleaning process (for example, if the water is treated with a water softener, we want to test the treated soft water, not tap water). The metal samples should be approximately 6" x 24" and include a separate sample for each type of metal used in production (for example: hot rolled, cold rolled, angle, tube).

3. Test Preparation: Using data and samples collected, CISCO develops program for on-site testing including determination of optimal custom blends to test on-site.

4. On-site Testing: CISCO returns to the customer site within 7 days to provide on-site testing with customer personnel (and paint rep if needed) to develop fully treated and painted test panels. These test panels will be representative of the customer's existing pre-treatment system and the proposed CISCO pretreatment system. The test panels used in this process should be approximately 4" x 12" and drilled for hanging.



5. Adhesion Testing: Once the treated test panels are fully cured (approximately 5-7 days), the test panels are sent to CISCO for adhesion testing. *Note: CISCO adhesion testing is performed in accordance with The American Society of Testing and Materials (ASTM) Standard Test Methods.*

6. Results: CISCO returns to the customer site within 7 days to present the final results of the adhesion testing process.

Surface of cross-cut area from which flaking has occurred. (Example for 6 parallel cuts)	None						Greater than 65%
Classification	5	4	3	2	1	0	