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STEEL STRUCTURES PAINTING COUNCIL
4400 Fifth Avenue
Pittsburgh 13, Pa.

J.O. Jackson
P.O. Box 249
Corapolis, Pa.

April 29, 1959

Mr. Owen F. Shobe
Lead Industries Association
60 East 42nd St.
New York 17, N.Y.

Dear Mr. Shobe:

In reply to your letter of April 17 regarding your proposed test of paints for fresh water immersion, I would like to suggest that you consider having the Paint Council make these tests. It seems to me a good way to make the test would be to provide a rectangular tank 30 inches wide by 27 inches deep and of sufficient length to accommodate the maximum number of specimens. I would suggest the specimens be made 3 inches wide by 2 1/2 inches long and 1/4 inch thick, bent the flat way to a radius of 5 feet for specimens from which the mill scale has not been removed. The specimens should be suspended in 18 inches of water so that the upper 6 inches of the specimen will be above the water line and the variation in water level will cause it to be alternately wet and dry to simulate the top water line of the tank interior. The tank should be provided with support bars so that the specimens can be hung by means of hooks welded to the specimens so they will be grounded to the tank and not subject to stray electrical currents. Water should be allowed to flow slowly through the tank so that the change of water will roughly simulate the change which occurs in an average size water tank.

We have under consideration making similar tests of paints for fresh water immersion, which tests will probably be on straight blast cleaned specimens. These could all be combined in the same tank with considerable economy.

If you think well of this suggestion, we believe we will have no difficulty in arriving at some basis for sharing the cost of the equipment and in arranging for handling your specimens in a manner satisfactory to you. The cost of the specimens with the support hooks welded on and curved to a 5 foot radius, should not exceed 30 to 40¢ each.

If you would like to discuss this proposed test, I would suggest a meeting at Mellon Institute.

Yours sincerely,

J. O. JACKSON (SIGNED)

Chairman
Research Committee