

LEAD INDUSTRIES ASSOCIATION

480 LEXINGTON AVENUE

NEW YORK 17, N. Y.

RED LEAD DIVISION

CONFIDENTIAL

SUBJECT TO REVISION

RED LEAD TECHNICAL COMMITTEE

New York, N.Y.

September 18, 1945

A meeting of the members of the Red Lead Technical Committee was held on September 18, 1945, in the offices of the Lead Industries Association. The following members were present:

Committee

A.C. Goets

C.J. Shobe

George Diehlman

Representing

Eagle Picher Co.

Gridden Co.

National Lead Co.

E.L. Carriek, Director of Red Lead Research

J.L. Benson, Secretary of Meeting

INSPECTION OF NORTH FLORIDA TEST SERVICE PANELS

The meeting was preceded by the examination of test panels returned from the North Florida Test Service and discussion of the ratings which were made at the time of their removal. It was generally agreed that the ratings given on the report (sent to members under date of September 12 to be added to the end of Red Lead Technical Bulletin No. 5) were substantially in agreement with the present appearance of the panels in their dry condition.

RED LEAD TECHNICAL LETTER NO. 2

The tentative draft of Red Lead Technical Letter No. 2 was discussed and certain changes were suggested and approved. The statement "Red lead is compatible with all vehicles commonly used in metal primer paints." was questioned. After the discussion the addition of the following sentence was agreed upon. "However, as with other corrosion inhibitive pigments, care should be used in selecting the vehicle."

It was also agreed that the paragraphs making a comparison between the keeping qualities of TT-P-86 and TT-R-191a be deleted.

With these changes and one correction of a numerical error the letter was approved for issue.

After lunch, Dr. Carriek was unable to be present.



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Mr. Robert L. Ziegfeld, Assistant Secretary of the Association, entered the meeting to bring up the following matters for discussion at the request of Mr. Wormser who was out of town:

1 -- BATTILLE MEMORIAL INSTITUTE TEST PROGRAM

The Battelle Memorial Institute has given notice that a preliminary report of the tests on weldability of painted steel and on toxicity of fumes from such welding will be presented in January and suggested that announcement of the tests be made at the present time. The Committee agreed with Mr. Wormser's suggestion that it is better to withhold such an announcement until the results of the tests indicate whether or not they will be of general interest.

2 -- RED LEAD TECHNICAL LETTER NO. 2

Since the Technical Letter No. 2 is now ready for publication the opinion of the Committee is requested on the form in which it should be issued.

The Committee agreed that it would be satisfactory to follow the precedent set by Technical Letter No. 1 and use the planograph process.

3 -- "USEFUL INFORMATION ABOUT LEAD" ARTICLE

Since the revised edition of "Useful Information About Lead" is in preparation and since the work of the Committee has provided new information about the formulation of red lead paints, Mr. Wormser suggests that the section on red lead paints be expanded to include new factual data and specification information. It was suggested that copies of the red lead section in its present form be sent to the Committee members for their review and suggestions.

The Committee members agreed and promised to review the proposed copy and to make suggestions both as to text and as to red lead mixing formulas which would be suitable for such a publication.

Mr. Ziegfeld left the meeting and the Committee then proceeded to consider the suggested red lead atmospheric exposure program.

RED LEAD ATMOSPHERIC PROGRAM

A suggestion was made that the proposed atmospheric exposure program would have greater value if it was so set up that the panels under test could be made accessible to engineers and others seeking information on the performance of various formulations of red lead metal primers as compared with various proprietary primers and specification paints. It was agreed this suggestion has merit and that the base steel specimens used should be selected to provide an acceptable test area and to permit easy shipping. The possibility of conducting tests on existing structures was also suggested but it was decided that more satisfactory accessibility as well as better control of the tests could be achieved by the use of small panels.

LOCATION OF TESTS

It was agreed that tests should be conducted in several locations so that they would be widely accessible and a wide variation of exposure conditions would be provided. Tentative selections of locations are:

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Location

Saville, L.I.
 New Orleans, La.
 Cleveland, Ohio
 Joplin, Mo.
 San Francisco, Calif.

Test Supervised by

National Lead Co.
 Glidden Co.
 Glidden Co.
 Eagle Fisher Co.
 W.P. Fuller & Co.

TEST PANELS

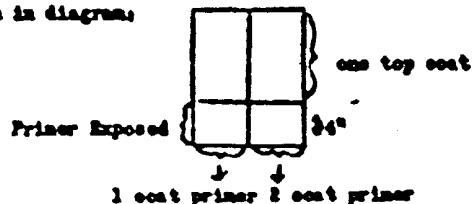
Test panel types and sizes were discussed and it was decided to standardize on the following base specimens:

For each paint formulation to be tested --

1 cold rolled steel panel 4" x 6" on which paints will be applied at controlled film thicknesses.

1 steel panel 12" x 18" x 1/16" (sandblasted).

Panels to be painted as shown in diagram:



2-4" x 4" x 1/8" angles, 12" long with mill scale.

Angles to be painted as follows:

Lower half, one coat primer.
 Upper half, two coats primer.
 Right hand side, one topcoat.

Topcoat to be used on all samples to be Navy 52-MC-4 adjusted for accelerated chalking somewhat as follows:

TiO ₂ Anatase type	125 lb.
Zinc Oxide	160 lb.
Magnesium Silicate	200 lb.

Vehicle - as called for in specifications.
 PV # 40

RED LEAD PRIMERS TO BE TESTED

It was decided that the tests should be extensive enough to allow the making of both quality and price comparisons. At least 8 to 8 pigmentations and an equal or greater number of vehicles should be included.

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In addition it was decided to include standards in the form of proprietary paints, straight red lead and linseed oil paints and any others considered necessary for a thorough evaluation.

It was agreed that the members of the Committee would each prepare a list of suggested formulations for discussion at the next meeting.

NATIONAL PAINT VARNISH & LACQUER ASSOCIATION CIRCULAR #710

Notice was taken of the inferences and statements unfavorable to red lead contained in Circular #710 of the National Paint Varnish and Lacquer Association. It was agreed that inquiries should be made as to reasons why such statements and inferences were allowed to appear under the sponsorship of that Association.

NEXT MEETING DATE

It was decided to hold the next meeting at the offices of the Lead Industries Association on October 19, 1945.

The meeting adjourned at 5:30 P.M.

J. Leland Benson

J. Leland Benson
Secretary of Red Lead Meeting