

LEAD INDUSTRIES ASSOCIATION, INC.

282 MADISON AVENUE

NEW YORK 17, N. Y.

February 7, 1963

SUBJECT: NOTICE OF MEETING

To Members of the Lead Pigments Technical Committee:

There will be a meeting of the Lead Pigments Technical Committee on March 5, at 9:30 A.M., in the offices of the Association.

An agenda will follow.

Attached please find the minutes of the last meeting.

Also enclosed is a copy of the new American Water Works Association Tentative Standard for Painting and Repainting Steel Tanks, Standpipes, Reservoirs, and Elevated Tanks for Water Storage, B102-62T, requested at the last meeting.

A third enclosure is a copy of a letter from Evershine Paints (Eastern) Ltd., D/24, Site., Manghopir Road, Karachi, 16, requesting prices for red lead and white lead. Will you please reply to them directly?

Sincerely yours,

David M. Borcina

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Secretary, Lead Pigments Technical Committee

DMS:100M



Look ahead with Lead

LEAD INDUSTRIES ASSOCIATION, INC.

202 MADISON AVENUE
NEW YORK 17, N. Y.

Subject to Revision

LEAD PIGMENTS TECHNICAL COMMITTEE MEETING MINUTES

New York, N.Y.

October 23, 1962

A meeting of the Lead Pigments Technical Committee of the Lead Industries Association, Inc. was held on October 23, 1962, in the offices of the Association.

PRESENT

L. L. Carrick, Chairman
Paul Whitford
E. H. Butsow
E. K. Zimmermann

REPRESENTING

Lead Industries Association, Inc.
The Eagle-Picher Co.
Hammond Lead Products, Inc.
National Lead Co.

David M. Bordin, Secretary to the Committee
Louis A. Cappelli, LIA-Expanded Research Program

The meeting was called to order at 9:45 A.M.

The minutes of the previous meeting of April 24, 1962 were approved with the following changes:

In the section "New L.I.A. Test Project on Leaded Aluminum Paints," after the subhead "Paints to be Tested," basic lead diphosphate should be changed to read dibasic lead phosphite.

REVIEW OF 1962 ADVERTISING PROGRAM

The secretary reported that the 1962 advertising campaign was conducted in the "American Paint Journal," 7 - 2-page spreads, the "Official Digest" 7 - 2-page spreads, and "Paint and Varnish Production," 7 full pages. The format used in all the ads was the same and was presented as "Lead Pigments Newsletters" Nos. 1 through 7. The copy was designed to inform paint chemists of the more recent developments in lead pigments. The secretary then stated that the campaign appeared to have accomplished its objectives and that a satisfactory number of inquiries had been generated. He pointed out, however, that it would be very difficult to maintain the same format throughout 1963 because of the lack of newsworthy developments.



Look Ahead with Lead

Lead Pigments Technical Committee
Meeting Minutes

-2-

October 23, 1962

CONSIDERATION OF 1963 ACTIVITIES

Advertising: After some discussion, the Committee agreed that the present advertising schedule in the "American Paint Journal" and the "Official Digest" be continued. They further recommended that the Association expand the 1963 advertising program to include "Engineering News-Record" and "Marine Engineering/Log." The Committee further agreed that the advertising in "Paint and Varnish Production" be discontinued inasmuch as the circulation of this publication is similar to the recommended paint publications.

The format and copy treatment for the 1963 ads in the "American Paint Journal" and the "Official Digest" were then discussed. It was agreed that the Committee members would consider the various possibilities and discuss them at the next meeting.

The Committee further agreed that case history display ads could be used in ads for "Engineering News-Record" and "Marine Engineering/Log."

Pigments Manual: The Committee agreed that every effort should be made to complete the proposed "Pigments Manual" for publication in 1963.

It was also recommended that a section on pearlescent pigments be included and the secretary was requested to obtain an author.

Lead Pigments Technical Letters: After some discussion, it was generally agreed that there were insufficient test data available for the publication of a "Technical Letter" in 1963.

FIELD TEST PROJECT ON LEADED ALUMINUM PAINTS

Mr. Whitford reported that he was not satisfied with color uniformity on brush application and that some improvement in formulation is necessary. He further stated that copies of the formulations had been sent to Mr. Zimmermann for his comments and suggestions on possible improvement for brushing. The making up of the test paints, he reported, would therefore be delayed until the requested comments and suggestions were received.

YELLOW TRAFFIC MARKING PAINT

After some discussion, the Committee recommended that an effort should be made to obtain the cooperation of one or more State Highway Departments to field-test dashed yellow highway edge markings. It was further recommended that if necessary, the Association supply the paint at no cost.

CALCIUM FLUORIDE PAINTS

The secretary presented to the Committee some test data on calcium plumbate paints that had been developed by the Associated Lead Manufacturers, Ltd., and sent to him by the Lead Development Association of Great Britain.

Lead Pigments Technical Committee
Meeting Minutes

-3-

October 23, 1962

After a review of the data presented, the Committee recommended that a full-scale evaluation of calcium ortho-plumbate pigments in paints, as recommended by the British be conducted in the United States under the sponsorship of the Expanded Research Program of L.I.A. The program should include comparative testing of paint systems recognized to provide best performance for similar applications.

RESEARCH RECOMMENDATIONS FOR ERP

The Committee unanimously recommended that the preliminary results of the Expanded Research Program, LIA, investigation of organolead compounds be further evaluated for their biocidal and microbiological effects in coatings.

STEEL STRUCTURES PAINTING COUNCIL

The chairman reported that he had recently reviewed the Steel Structures Painting Council's study of 61 paint systems applied over hand-cleaned structural steel panels after 30 months' exposure and made the following comments:

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1. The second coat of a paint system should be applied promptly.
2. The type of mill scale affects the life of the paint system.
3. The film thickness is very important.
4. A comparison of the pigment-vehicle system indicates the importance of:
 - a. Surface Preparation.
 - b. Physical make-up of the pigmentation.
 - c. The chemical composition of the vehicle and pigmentation.
 - d. Pigment-vehicle ratio and the method of application.
 - e. Number of coats, when applied, and the thickness of the total paint system, and the proper thickness of each film, etc.
5. The breakdown of the data reveals that:
 - a. Pigmentations containing lead with a linseed oil vehicle have a higher average rating than non-lead pigmentations. 8.3 to 6.1 (10 is considered perfect, 0 total failure).

Lead Pigments Technical Committee
Meeting Minutes

-4-

October 23, 1963

- b. Pigmentations containing lead with a linseed oil-alkyd vehicle show an average rating of 7.3 compared to 6.2 for non-lead pigmentations. (The best rating of 61 systems studied was 9.4 for dry film thickness of 2.9 mils., a lead-containing pigmentation. The next best rating was a non-lead pigmentation, rated 9.1 dry film thickness of 3 mils.)
- c. A lead pigmentation in an alkyd rated 8.7 dry film thickness of 2.8 mils., as compared to an average rating of 4.1 (highest 5.1) dry film thickness of 1.9 mils. for a non-lead pigmentation in alkyls.
- d. Lead-containing pigmentations in a phenolic vehicle averaged 5.5 (highest 7.2) for a dry film thickness 1.9 mils, compared to non-lead pigmentations which averaged 6.0 (highest 7.6) for a dry film thickness of 3 mils.
- e. Epoxy vehicles in lead-bearing pigmentations averaged 4.6 (with 6.3 highest) for a dry film thickness of 1.0 mils. compared to 7.0 for non-lead-bearing pigmentations (highest rating 7.4, dry film thickness of 1.7 mils.)
- f. In chlorinated rubber, non-lead-bearing pigmentations were superior to lead-bearing pigmentations, 9.2 for dry film thickness of 2.1 mils. to 6. for dry film thickness of 1.1 mils.
- g. The miscellaneous vehicles in lead-bearing pigmentations rated 7.4 for dry film thickness of 1.4 mils., compared to non-lead bearing pigmentations, average rating of 6.1 with the highest rating being 8.7 for a dry film thickness of 3.1 mils.

When the films were calculated to a film thickness of 2.9 mils., the data show the same trends as noted above.

The lowest ratings, below 5.0, show that there are twice as many such ratings in the non-lead pigmentation as in the leaded pigmentations, irrespective of the vehicles.

The lowest rating, below 3.3, shows that the ratio of non-lead pigmentations to leaded pigmentations, irrespective of the vehicles is 3 to 1.

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Lead Pigments Technical Committee
Meeting Minutes

-5-

October 23, 1962

The chairman further stated that the Steel Structures Painting Council's report reviewed herein included the statement that there is to be no publication or distribution of the study without permission of the Council.

NON-TOXIC LEAD PAINTS

The secretary reported that a British patent No. 873917 for a non-toxic lead paint had been issued to Associated Electrical Industries, Ltd., Great Britain.

NEW AWWA STANDARD FOR PAINTING
AND REPAINTING STEEL TANKS

The secretary reported that the complete text of the new standard of the American Water Works Association for painting and repainting steel tanks appeared in the August, 1962, issue of the official "Journal of the AWWA."

The secretary was thereupon requested to obtain copies of the new Standard and distribute them to the Committee. It was further recommended that the Committee review the new Standard for discussion at the next meeting.

There being no further business, the meeting adjourned at 4:10 P.M.

David M. Borcina

David M. Borcina
Secretary, Lead Pigments Technical Committee

DDB:190X

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EVERSHINE PAINTS (EASTERN) LTD.
Paints Manufacturers

D/24, SITE.,
Manghopir Road
Karachi-16, Pakistan

January 19, 1963

Our Ref: 219

Lead Industries Association, Inc.
292 Madison Avenue
New York 17, N.Y.

Dear Sirs:

Red Lead Pure Non Setting and White Lead Pure

We have gone through your advertisement in the "Official Digest" of June, 1962, with regard to the above products manufactured by you. Since we hold an Import License issued under U.S.A. Loan A/C, we would request you to kindly let us have your C & F prices for:

25 tons Red Lead pure non-setting, and
10 tons White Lead pure

On receipt of your favorable reply, we shall be glad to communicate with you.

Awaiting your early reply and thanking you in anticipation,

Yours faithfully,

for EVERSHINE PAINTS (EASTERN) LTD.

(Nasir Mirza)

General Manager

KX:CKX