

LEAD INDUSTRIES ASSOCIATION, INC.

292 MADISON AVENUE

NEW YORK 17, N. Y.

SUBJECT TO REVISION

LEAD PIGMENTS TECHNICAL COMMITTEE MEETING MINUTES

New York, N.Y.

April 24, 1962

A meeting of the Lead Pigments Technical Committee of the Lead Industries Association was held on April 24, 1962, in the offices of the Association.

PRESENT

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

REPRESENTING

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

GUEST

Matthew Broderick

Solvay Process Division, Allied
Chemical Corp.

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Robert L. Ziegfeld, Executive Vice President
David M. Borcina, Secretary to the Committee
A. R. Cook, L.I.A. Expanded Research Program

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

The minutes of the previous meeting of January 16, 1962, were approved.

YELLOW TRAFFIC MARKING PAINT

Mr. Matthew Broderick and the Secretary reported on their visit to the Vision Conservation Institute, Philadelphia, Penna., an organization that had publicly reported that their research indicated that yellow traffic marking paint provided for greater visibility under most conditions than white paints.



Look Ahead with Lead

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Mr. Broderick stated that the purpose of the visit was twofold, first to get a copy of the research they conducted, and secondly, to determine if possible an area of research that could be conducted by the Vision Conservation Institute on behalf of yellow traffic marking paint.

Unfortunately, he reported, they would not make available to us under any circumstance a copy of their completed research data. They would however be interested in considering a research project if we would outline the scope of the tests we want conducted. They could not of course provide us with an estimated cost of the research until they knew what was wanted. During the discussion however it seemed fairly obvious that whatever the scope of the test it would cost a minimum of \$10,000.

Both Mr. Broderick and the Secretary concurred in the opinion that if any research on yellow traffic marking paint is needed then an attempt should be made to have various state highway departments undertake the research.

Mr. Broderick also stated that in view of the new requirements for yellow markings included in the Bureau of Public Roads new Manual on Uniform Traffic Control Devices published in June, 1961, all that may be required to extend the use of yellow traffic marking paint is publicity and advertisements.

COPY FOR LEAD PIGMENTS NEWSLETTER NO. 3

The secretary reported that there were conflicting viewpoints relative to the suggested copy for Lead Pigments Newsletter Ad No. 3, sent to the Committee members on February 28, 1962.

At the request of the Chairman, the Committee reviewed the text of the ad as originally submitted and taking into account the various viewpoints previously submitted to the Secretary, recommended changes which the Secretary was requested to incorporate in the ad.

SUBJECT MATERIAL FOR FUTURE ADS

The Chairman requested the Committee's suggestions as to subject material for future Lead Pigments Newsletter ads.

After some discussion, the Committee recommended to the Secretary that he contact the authorities on the Indiana Toll Way, the Calumet Skyway and the Illinois Toll Road who all have tests underway on paints for metal surfaces, the results of which may serve as subject matter for an ad.

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Also recommended as a subject for a future ad is the field test being conducted by The Eagle-Picher Co. on leaded aluminum paints. Mr. Paul Whitford offered to supply the secretary with test fence data.

NEW L.I.A. TEST PROJECT ON LEADED ALUMINUM PAINTS

In view of the accelerated test results developed by The Eagle-Picher Co. on leaded aluminum paints, it was recommended that a field test project be conducted by the Committee. The following program was therefore outlined:

- SCOPE: To test the color fastness and corrosion inhibitive effect of certain lead compounds added to non-flaking aluminum pigment.
- COLORS TO BE TESTED: Blue and Green (Color chips supplied to members by The Eagle-Picher Co.)
- TEST SITES: Atmospheric tests at New Orleans, Joplin, Perth Amboy and Sayville. Also, 2-1/2 ft. above high tide at Sayville.
- TEST SPECIMENS: Cold rolled rusted panels - wire brushed.
- PREPARE: Half of all panels to have a primer coat of TT-P-86a, Type II.
- PAINITS TO BE TESTED: Two vehicles and 5 pigments, 4 to be leaded and one non-lead. Lead compounds to be tested are basic lead silicate, basic lead silico-chromate, P-7 (Hammond Lead Company's new lead pigment) and basic-lead dibasic lead phosphite. The non-leaded paint to be straight aluminum non-leaving flake.
- FILM THICKNESS: Dry film thickness, 1-1/2 mils.
- EXPOSURE: 45 deg. south for atmospheric exposure panels, vertical at tide range.
- DETAILS: The Eagle-Picher Co. will supply 6 by 12 in. panels, half of each panel to be primed by them with TT-P-86a, Type II paint. Test paints will be applied by National Lead Co. The two vehicles will be prepared by National Lead Co. The paints will be prepared by, The Eagle-Picher Co. who will make up the paints containing lead silicate, P-7 and the non-leaded paint, and the National Lead Co. will make up the paints containing lead silico-chromate and lead diphosphate.

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PAINTS FOR GALVANIZED SURFACES

The Secretary stated that Mr. Lominaka, National Lead Co. has reported that the test panels of L.I.A. Formula No. 304, adopted as the Committee's recommended paint for galvanized surfaces are still in good condition after 114 months exposure. The secretary pointed out that the recommendation had been made that this test project be the subject of a technical paper.

The Committee decided against the preparation of a technical paper at this time but strongly recommended that L.I.A. No. 304 paint be offered for testing in the project, paints for galvanized surfaces, now being discussed by the Expanded Research Program of the American Zinc Institute, Inc.

STEEL STRUCTURES PAINTING COUNCIL

The Chairman reported on the recent meetings of the Steel Structures Painting Council which he attended. He stressed the fact that there are a number of projects planned or just getting underway that will or should include lead pigmented paints and that he will offer the Committee's fullest cooperation to the S.S.P.C. whenever possible.

REPORT ON PROGRESS OF SECTIONS FOR PIGMENTS MANUAL

After some discussion, the Committee agreed that there are many new developments underway and for this reason felt it advisable to postpone preparation of such sections as may be involved in such developments.

ENJAY CHEMICAL CO.

The Secretary reported that he had been contacted by the Enjay Chemical Co. requesting the Committee's cooperation in evaluating new products developed by them. It was the Committee's opinion that the Secretary supply this and similar requests with the names of the Committee members for direct contact by such companies.

There being no further business, the meeting adjourned at 4:20 P.M.

David M. Borcina

David M. Borcina
Secretary, Lead Pigments Technical Committee

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