

LEAD INDUSTRIES ASSOCIATION

480 LEXINGTON AVENUE

NEW YORK 17, N. Y.

60 East 42nd Street

Pigments and Chemicals Division

SUBJECT TO REVISIONRED LEAD TECHNICAL COMMITTEE MEETING

Sayville, L.I., N.Y.

April 1 and 2, 1957

A meeting of the Red Lead Technical Committee was held at the Sayville, L.I. test station on April 1 and 2, 1957.

PRESENT

L. L. Carrick, Chairman
Paul Whitford
O. F. Shobe
R. P. Bates
C. A. Iominaka
R. K. Zimmermann

REPRESENTING

Lead Industries Association
The Eagle-Picher Co.
The Glidden Co.
National Lead Co.
National Lead Co.
National Lead Co.

David M. Bordin, Secretary to Committee

The meeting was called to order at 11:45 A.M. with Dr. Carrick presiding.

The minutes of the previous meeting of February 19 were approved with the following corrections:

Under "L.I.A. Project 25," the section "Application of Paints," the order of painting the test panels should be revised as follows:

2	3
1	4

1. Primer.
2. Two primers.
3. Two primers, one topcoat.
4. One primer, one topcoat.

REVIEW OF STATE HIGHWAY SPECIFICATIONS FOR FIRST FIELD COAT

The secretary reported on his survey of State Highway Specifications for first field coats on structural steel, as per Exhibit "A" attached, and summarized as follows:

1. Number of paint specifications ----- 85
2. Number of red lead paint specifications ----- 41
3. Number of specifications containing white lead ----- 20
4. Number of specifications containing over 50 per cent red lead or white lead pigments ----- 52
5. Of those specifying lead based paints (over 50 per cent), the percentage requiring:
 - 100 per cent lead ----- 67.3%
 - 80 per cent and over ----- 7.7%
 - 50-80 per cent ----- 25.0%



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TOLL ROAD SPECIFICATIONS

The secretary reported that he had received copies of the painting specifications from a number of the toll road agencies. After some discussion, the secretary was requested to prepare a study of the Toll Road painting specifications for the primer and first field coat for steel structures and present it to the committee at its next meeting.

INSPECTION AND REVIEW OF EXPOSURE TESTS

The committee then proceeded to make visual inspection of the panels in the following L.I.A. projects:

L.I.A. Project 19 - The panels were inspected and it was the committee's opinion that the new galvanized panels and the rusted galvanized panels coated with paints recommended in Red Lead Technical Letter No. 9 were still generally outstanding after 61 months exposure.

L.I.A. Project 21 - The test panels in this project exposed May 6, 1955, complete immersion in sea water, were inspected and were, in general, performing very satisfactorily.

L.I.A. Project 22 - The committee reviewed the inspection made on December 3, 1956, by Mr. Lominka, and transmitted to members of the committee on December 21, 1956.

L.I.A. Project 23 - Mr. Lominka reported that the panels in this project were placed on exposure March 18, 1957, at tide range.

L.I.A. Project 24 - Mr. Zimmermann reported that the "Blakled" test panels would be incorporated in this project.

L.I.A. Project 25 - It was reported that the test panels would soon be exposed at the three sites, Joplin, Mo., New Orleans, La., and Perth Amboy, N.J.

RED LEAD TECHNICAL LETTER NO. 12

The secretary distributed to the committee the first draft, dated April 1, 1957, of Red Lead Technical Letter No. 12 - Painting Highway Structural Steel.

The committee thereupon proceeded to recommend changes, corrections and additions in the first draft.

At 7 P.M., the meeting was recessed to meet again the next morning at 8:30 A.M. Tuesday.

April 2, 1957

Sayville, L.I., N.Y.

The chairman called the meeting to order at 8:30 A.M.

The committee continued to review the first draft of Red Lead Technical Letter No. 12. Upon completion, the secretary was instructed to incorporate all suggested changes and revisions and prepare a second draft for distribution to the committee. Upon receipt of the second draft, the committee is to review it and report any additional changes or revisions or their approval by letter to the secretary.

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DOCKING DATES OF
U.S.S. HEALY AND ROBINSON

The secretary stated that Mr. Adamson had reported to the Association that the U.S. Navy destroyers Healy and Robinson were tentatively scheduled to dock in April, 1957. (As of May 16, 1957, no further word has been received.

BUREAU OF SHIPS SURVEY

It was the committee's opinion that we should continue to check with the various Navy yards as to their replies to the Bureau of Ships survey of increased costs of applying red lead paints. Inasmuch as Dr. Carrick was planning a visit to the West Coast, the committee requested him to visit the Mare Island Navy Yard.

PAPER FOR HIGHWAY RESEARCH BOARD

Action was deferred to the next meeting.

SEA HORSE INSTITUTE MEETING

The chairman announced the receipt of the meeting announcement of the "Sea Horse Institute" along with a listing of the topics for discussion that had been proposed by members. The committee thereupon reviewed the topics up for discussion at the meeting and made notes of those of interest.

PAINTS FOR ENCLOSED STRUCTURAL MEMBERS
ON STEEL HOUSING CONSTRUCTION

The secretary reported that the Association had on hand a large quantity of reprints of this report and requested the committee's opinion as to possible distribution. After some consideration, it was the general feeling that the Association distribute them as necessary to handle requests for painting information of this type. Several of the members of the committee also requested copies for the same purpose.

INVESTIGATION OF NEWLY INTRODUCED RESINS

Action was deferred to a future meeting.

NEXT MEETING DATE

It was generally agreed that the next meeting of the committee be held in New York at the office of the Association on June 20, 1957.

There being no further business, the meeting adjourned at 1:30 P.M.

David M. Bordin

David M. Bordin
Secretary, Red Lead Technical Committee

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Exhibit "A"
April 1 and 2, 1957

SURVEY OF STATE HIGHWAY DEPARTMENT SPECIFICATIONS
FOR FIRST FIELD COAT FOR STRUCTURAL STEEL

STATE	NUMBER OF PAINT SPECIFICATION	NUMBER CONTAINING RED LEAD AND THE AMOUNT			NUMBER CONTAINING WHITE LEAD AND THE AMOUNT OF LEAD (OO) IN PERCENT
		100%	80-100%	50-80%	
Alabama	3	1			
Arizona	3	1			1 (43-45)
Arkansas	1				1 (70)
California	3	2			
Colorado	3		1		1 (40)
Connecticut	1	1			
Delaware	1			1	
Florida	2	1			
Georgia	3	2			1 (70)
Idaho	1				1 (100)
Illinois	2	1			
Indiana	2			1	1 (60-64)
Iowa	2	1			
Kansas	3	1			1 (80-85)
Kentucky	3	3			
Louisiana	1	1			
Maine	2	2			
Maryland	2				1 (32)
Massachusetts	2	1			
Michigan	1	1			
Minnesota	2		1		1 (99)
Mississippi	1				
Missouri	1			1	
Montana	3	1			1 (100)

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Exhibit "A"
April 1 and 2, 1957

**SURVEY OF STATE HIGHWAY DEPARTMENT SPECIFICATIONS
FOR FIRST FIELD COAT FOR STRUCTURAL STEEL**
(Continued)

STATE	NUMBER OF PAINT SPECIFICATION	NUMBER CONTAINING RED LEAD AND THE AMOUNT			NUMBER CONTAINING WHITE LEAD AND THE AMOUNT OF LEAD (OO) IN PER CENT
		100%	80-100%	50-80%	
Nebraska	2	1			1 (31)
Nevada	1				1 (31)
New Hampshire	3				2 (54-58) (52-56)
New Jersey	1	1			
New Mexico	4				2 (31) (69-71)
New York	1				1 (50-70)
North Carolina	2	1			
North Dakota	2	2			
Ohio	1				
Oklahoma	1	1			
Oregon	2			2	
Pennsylvania	1				1 (41)
Rhode Island	1				1 (85)
South Carolina	1	1			
South Dakota	1	1			
Tennessee	2	1			
Texas	1				
Utah	1	1			
Vermont	1	1			
Virginia	1				1 (35% L.Z.D., 49-51)
Washington	2			1	
West Virginia	1			1	
Wisconsin	1				
Wyoming	1	1			
TOTAL	65	32	2	7	WHITE LEAD SUMMARY
					100% 80-100% 50-80% 30-50%
					5 2 6 9