

LEAD INDUSTRIES ASSOCIATION

480 LEONARD AVENUE

NEW YORK 17, N. Y.

Pigments and Chemicals Division

December 27, 1955

SUBJECT: HOT STACK PAINTING

To Members of the Red Lead Technical Committee:

Attached is a copy of correspondence received from the Steel Company of Canada, Ltd. in which is discussed the use of red lead primers in hot stack painting. The writer requests our comments and recommends hot stack painting as a problem worthy of investigation.

We would appreciate receiving such comments from you and also an opinion as to whether any promotional possibilities lie in hot stack painting.

Very truly yours,

Charles E. Clump
Secretary to the Red Lead Technical
Committee



N2754

C O P Y

STELCO

THE STEEL COMPANY OF CANADA, LIMITED

General Offices

HAMILTON, CANADA

December 20, 1955

Our File - P1/a

Lead Industries Association,
420 Lexington Avenue,
New York 17, N. Y.

Gentlemen:

Red Lead Paint

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Many paints sold as being heat resistant have little or no rust inhibiting ability and when the equipment is shut down corrosion proceeds. From test patches painted on hot stacks we find that red lead primers are more durable when subject to weather exposure than Heat Resistant Enamel, U.S. Federal Specification TT-L-96 Type II. We believe that the quenching action of cold rain is a contributing factor in the short life of heat resistant finishes outdoors and that the oil or partially oil type vehicles have an advantage in the lower temperature ranges (below 200°C.) Stacks falling in this category have required painting every 2 to 2-1/2 years. We are hoping to raise the service life of the paint coating. Minor materials considered for test when repainting next spring is a red lead black which we would obtain by modifying our attached formula MP-C-32. Zinc oxide would be replaced by 30% carbon black and 6% litharge.

An additional variation might be obtained by thinning with cottonseed or soybean oil instead of mineral spirits. The basic formula is rather heavy, running 100% Krebs units in recent batches, so that thinning is required even for brush application.

We would appreciate your comments and would recommend hot stack painting as a problem worthy of investigation.

Yours very truly,

THE STEEL COMPANY OF CANADA, LIMITED

s/ C. P. Leyard

C.P. LAYARD,

Planning & Development Engineer

CPL/LST/MD
lth.

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