

~~Trade Sales~~

~~"DULUX" Yacht White Gloss~~

~~28 Line~~

~~P. R. Rode~~

~~Mr. S. W. Ruff, Lab.~~

~~Mr. H. R. Young, Lab.~~

RETURN TO MARSHALL LABORATORY LIBRARY

Philadelphia Laboratory

May 29, 1946

Memorandum Report No. M-52

REFERENCE COPY

NOT FOR CIRCULATION

"DULUX" YACHT WHITE GLOSS

"INDEXED"

Je 10 '53

This report covers the work undertaken in connection with Investigation WT-47 dated 1/15/46 requesting formulation of "DULUX" Yacht White Gloss 28-653, Semi-Gloss 26-627 and Flat 26-643 to use a linseed PE/resin to circumvent the glycerine shortage.

Details of Development

Several resins were tried, namely RC-395 at 51.5% oil, 50% Solids, LO/PE for RC-204 and PRC-P-12835 at 57% oil, 55% solids LO/PE for RC-141 in 28-653. Gloss and dry using combination of these two resins were unsatisfactory. Combinations of RC-395 and P-RC-P-36981 a 60% oil, 65% solids, LO/PE resin were also unsatisfactory for dry and gloss. W-28/W-34 at 75/25 ratio was then substituted for W-3, H-253 eliminated and VH-5259 substituted for VH-7552. This material looked very good both for gloss and dry. However, it was decided to try PRC-P-47621, a 60% oil, 55% solids LO/PE resin which was being used in Brush "Duco" in order to standardize on one resin if possible. Results with PRC-P-47621 were very nearly equal to PRC-P-36981 and could be considered as a satisfactory substitute for RC-204 and RC-141 from the standpoint of gloss and dry. The same results with this resin in the flat and semi-gloss were obtained.

Because of increased amounts of glycerine becoming available, it was decided not to shift these three products to a LO/PE basis. No work was done toward development of LO/PE Black or evaluating Brush "Duco" PE Black.

Exterior exposure has been made in Series #9043. Yellowing in light and yellowing in dark exposures must be made as well as following package stability. Please refer to notebook #2980, pages 58 through 63, 78, 80 through 87 and 91 through 95.

PHILADELPHIA LABORATORY

J. D. Rode
J. D. RODE

JDR/mhl

N 20711