



PRODUCT DEVELOPMENT REPORT
PAINT, VARNISH & LACQUER LABORATORIES

APRIL 1961

GLD006574

PRODUCT DEVELOPMENT REPORT FOR APRIL, 1961Specification#31603 White Lead-In-Oil Paint

RGL-31603, White Lead-in-oil paint, was developed to compete with Hancock Paint and "Scotch Laddie" lead paint products, which are selling very well in the New England states. Typical analysis of these products is 85% white lead - 15% Titanium Dioxide in a vehicle of 80% Linseed Oil and 20% volatiles. We have received an initial order for 1,000 gallons from our New England District.

Orange Fast Dry Flat Enamel
Lewis-Shepard Company

RGL-31565, Orange Fast Dry Flat Enamel is a styrenated alkyd product drying dust-free in 4 minutes and to handle in 10-15 minutes. It is used direct to metal, requiring no primer, on fork-lift trucks.

White Silicone Marine Enamel (silicone alkyd) vs. White Japalac (straight alkyd)

Y-4100 initial 60° gloss - 85 at 500 hours - 70 at 800 hours - 45 at 1100 hours - 28

Y-1217 initial 60° gloss - 89 at 500 hours - 19 at 800 hours - 10 at 1100 hours - 8

Blend initial 60° gloss - 81 at 500 hours - 18 at 800 hours - 10 at 1100 hours - 8

We can conclude from this that it is impractical to cut down on silicone alkyd content, in this type formulation, from that in Y-4100 and still expect good gloss retention, thus indicating per cent silicone alkyd in Y-4100 is a good guide for future formulations. Dirt pick-up is also increased with silicone reduction.

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