

PRODUCT DEVELOPMENT REPORT
PAINT, VARNISH & LACQUER LABORATORIES
MAY 1951

The varnish report shows continued use, at least in an experimental way, with Castung 504-23 from Baker Castor Oil Co. Development work is being done on V-705 and the results to date still look interesting. We have heard criticism that this particular oil takes longer to process and has poor water resistance. However, we believe we have overcome the first criticism and are not able to confirm the lack of water resistance. If this oil can be worked out satisfactorily, it will undoubtedly simplify our oil inventory. This report also shows the development of V-357 for use by the Canadian plant, and using O-239 as the principal oil. This was made as neither Eskol or Kel-X-L are readily available in Canada. We have had a great deal of difficulty recently formulating a high solids wrinkle vehicle as shown by Mr. Oertling. Trouble has been encountered with reactivity in conjunction with metallic driers of all sorts. We would welcome any suggestions by other plants. The revision of V-833A is also shown in this report, and we hope to be able to arrive at some conclusion before too long. Mr. M. L. Pinns shows the development of a new wire enamel in this same report. This was made primarily for heavy wire and differs from the usual in that it contains more oil than normal.

The paint lab report shows the result of exposures of DuPont's R-610 versus Titanium Pigment Company's PANC in an automotive enamel. The results indicate no noticeable difference. This report also shows a comparison between Aroplaz 1320 and our own GRV-2018 in an automotive type enamel. While exposures will be continued, there is no apparent difference at this time. Several formulas have been made for use on a Ronci Coating Machine and are shown in this same report. A black has been formulated for use on speed nuts, and a red, blue and purple for wire springs.

Mr. Musser shows the results of further testing with wash primer as reported on in last month's issue; also the results of his work with venetian blind finishes.

The trade sales report shows comparisons between No. 61, 35% leaded zinc from American Zinc Sales, and our regular W-6. These results are in favor of W-6. Tests have also been made and show in this same report trying to replace GRV-1717 in Y-1867 with V-872. Also the report of Mr. Hayward's examination of alkyd extenders produced by Price Varnish Company is shown.

Mr. Ellis shows the results of his investigation on Spec. 3-184, Lacquer, Rust Inhibiting, Clear. Most of this is centered around the effect of the rust inhibiting ingredient.

Tests have been made by Mr. Hirsch comparing W-187 to two new products submitted by O. J. Osbourn as representing foreign lithopone. Both of these look to be very excellent, and we should like to see greater quantities if they are available.

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