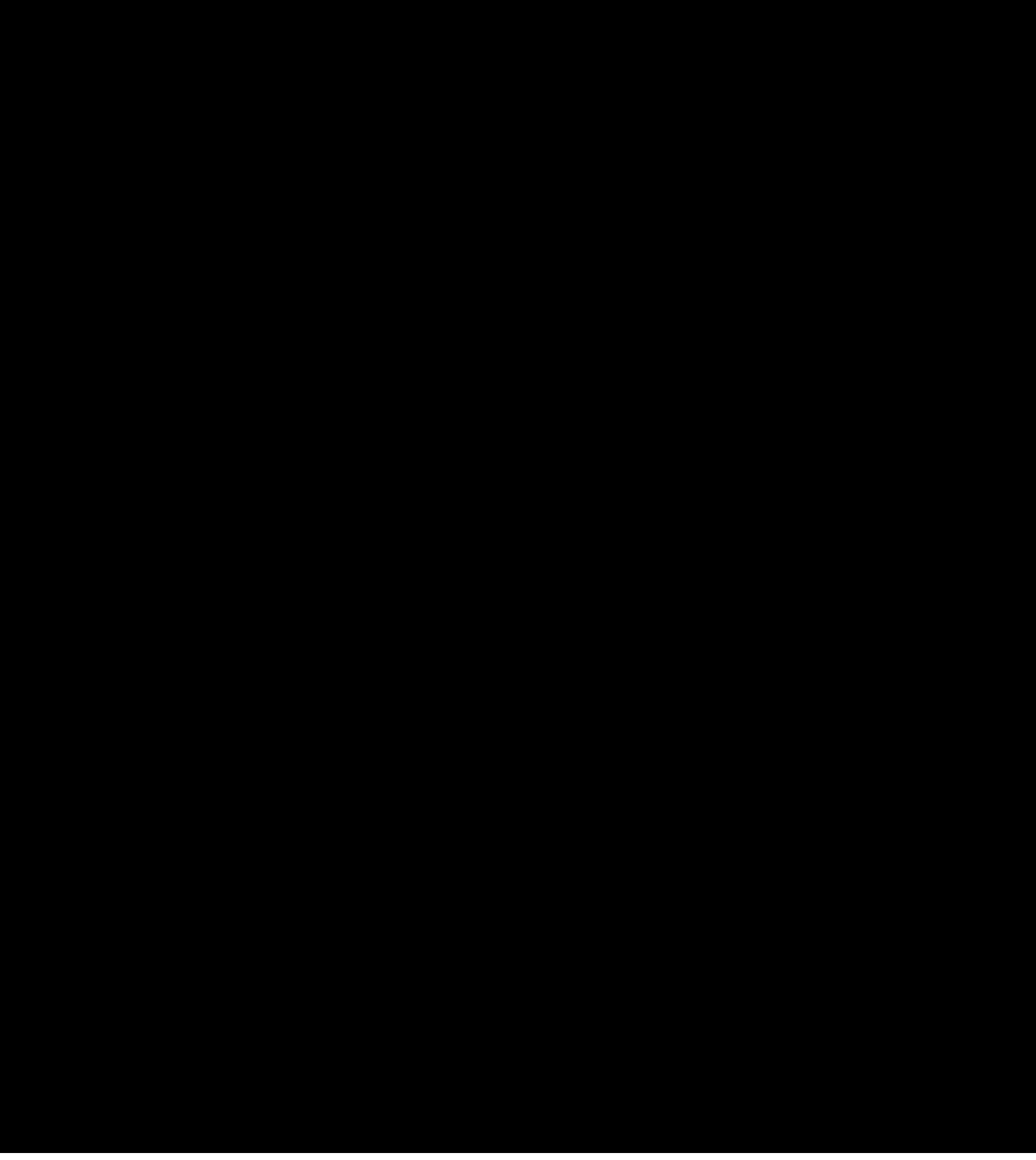




The difficulty with these formulac is that they require a large number of coats; one of primer and three each of the succeeding coats. They should be applied by spray, and they are best when applied to new steel. We do not know how they would be when applied to a hull that had the usual accumulation of rust and old paint. This does not usually present a very good surface for the adhesion of vinyl coatings. The objection to spray is that union labor in most yards will not allow spray application; and, of course, the number of coats for brush application is prohibitive.

We strongly recommend these finishes as an excellent chemical and water resistant system, wherever such might be necessary.

Green Finish for Holly Leaves

The Roxbury Company has been trying for an extended period to obtain a coating with adhesion to holly leaves. We have never been able to produce an orthodox oleo-resinous coating with good adhesion and flexibility to the waxy leaves. In fact, we have been told by the salesman that the customer has given up hope of obtaining good adhesion. What he has asked us for now is a film with extreme flexibility. This request is because he assumes that, when the leaves are abused, the flexible film will not flake as readily, due to lack of adhesion, as would a film which lacked both adhesion and flexibility. We have developed RL-9694 to be reduced 4 or 5 times with S-111 or S-120 to dip. It will air dry to handle in from 3 to 5 minutes, has a high gloss, and is a vinyl type product.

Vinyl Cloth Coating System

In order for a customer of ours to meet competition (organosols) he has asked us to produce a cheap vinyl finish for cloth. In order to comply with his request, we have formulated RL-9683 Base Coat and RL-9633 Top Coat. Both these materials make use of Scrap Vinyl from American Pyroxylin Company.

They are applied as follows:

Apply two coats by knife spreader of RL-9683 Base Coat. Bake between coats for approximately one minute at 160° to 180°F. Follow with one top coat of RL-9633. Bake one minute at 160° to 180°F. This system has been approved, and the customer has ordered two drums of base and one drum of top coat for trial.

Mirror Backing

From time to time we have had some of our divisions tell us how expensive mirror backings have become due to the increase in the cost of lead pigments. In order to combat this condition, we have made use of lead silicate 45-X in place of 7-104. RGL-20256 is the code number. It is to be reduced as necessary with S-40 to brush and with S-42 to spray. We have sent five 1-gallon samples to our North Bergen division for distribution to their customers. We have done this in order to obtain some practical background. If RGL-20256 is compared against 78-E-203, there is a substantial difference in bulk cost per lb. as RGL-20256 is 11¢ per lb. and 78-E-203-E is 15¢ per lbs.

Tyco Rubber Corp. - RPL-272

GLD012796

RPL-272 is an emulsion to be applied by dipping or spraying to uncured rubber (used to make galoshes) and then the whole product is vulcanized in a suitable atmosphere up to 265°F. in one hour and for one hour at 265°F. It is now on test in the customer's plant.

RAW MATERIAL REPORT
OCTOBER 1948

Zinsser

Maroon Toner 5600

Color cost \$2.00 per lb. vs.
\$1.50 for our regular R-70.
It is about 15% weaker than
our regular R-70.

New Jersey Zinc

XX-505 Zinc Oxide

Satisfactory for W-33

Minnesota Mining & Mfg. Co.

KROX R-678-29
R-678-19
R-678-49

Samples ground in steel
ball mills. Possessed
easy grinding and good sus-
pension characteristics
in lacquer. Color a typical
Iron Oxide color and could
not be classed as brilliant
as reported by the above Co.

American Cement

Loaded Zinc

Much better product than
W-35 or W-6, being much
whiter in top tone and
stronger in undertone.

Imperial Paper and Color Co.

C.P. Green B-9745

Deeper in top tone and
lighter in undertone. Floods
much more than our standard.
Not satisfactory for G-2.

Imperial Paper and Color Co.

C.P. Lithol Toner
Deep X-957

Much lighter in top tone
and darker and not as clean
in undertone. Not satis-
factory for R-167.

Imperial Paper and Color Co.

Violet Toner A-8027

Satisfactory for BL-55.

Standardization Program

The following pigments received thus far have been accepted as standard for all
Glidden Paint Plants:

B-2	Hoover Color
B-31	Cummings Moore Graphite
R-57	Calco Chemical Co.
R-227	Harmon Color
B-281	Kentucky Color
M-24	Witco Chemical
M-103	Johns Manville
M-166	Johns Manville
BL-61	Harmon Color

GLD012797

H. A. Hirsch

BAH:man