

QUARTERLY RESEARCH REPORT
FOURTH QUARTER, 1961

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PAINT DIVISION
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GLD011786

ELMWOOD RESEARCH CENTER
QUARTERLY RESEARCH REPORT
Fourth Quarter, 1961

C-37

Subject: TR4201P3
1W124A - EGL-62006 Easy Brushing Primers

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Objective: ST4203P2 - To find an easy-brushing house paint primer equal to or better than Y-1851 in durability and blister resistance.

Conclusion: 1W124A and EGL62006 are excellent primers superior to Y-1851 in brushing and blister resistance. Field test reports rate these primers highly for application. Exposure tests will have to be completed before this product can be recommended for Endurance and Spred House Paint.

Future Work: We plan to continue testing and evaluating this material with the goal of replacing Y-1851.

Detailed Results: EGL-62006 is a lead-free primer using V-523 and V-855 as its vehicle. 1W124A is identical to EGL-62006 except for color and driers. 1W124A contains lead driers and is tinted gray. M-500 (thixatrol ST) is used as the bodying and brushing aid. These primers are made exclusively on the Cowles because of the heat required to react M-500.

Grinds were first made on the 1W124A formula in June and July of this year. After five months the viscosity is very stable. The freedom from settling on the travelometer is excellent. The brushing is excellent; it is definitely the best brushing primer ever made in this lab.

1W124A was produced for Alvin Homes and has met with great success. Central Region is planning to sell this primer under a special label due to its excellent acceptance by painter..

Blister box tests show both primers to be better than Y-1851 for blister resistance. EGL-62006 is a trace better than 1W124A. Blister tests were prepared as follows:
1st day - prime coat; 3rd day - top coat, 7th day - blister test started. Results are listed on following page.

GLD011787

Ratings based on ASTM D714-56

<u>1st coat</u>	<u>2nd coat</u>	<u>8th day</u>	<u>11th day</u>	<u>12th day</u>	<u>13th day</u>	<u>14th day</u>
Y-1851	Y-1800	F-8	4-MD	4-MD	4-MD	4-MD
Y-1851	Y-3600	none	none	none	none	none
1W124A	Y-1800	none	F-8	M-6	M-6	M-6
1W124A	Y-3600	none	none	none	none	none
EGL-62006	Y-1800	none	none	none	none	none
EGL-62006	Y-3600	none	none	none	none	none

EGL-62006 is being field tested in New Orleans. Exposures have been made in New Orleans and Cleveland. We do not have any completed exposures and will not be able to present any adequate exposure proof for at least one year. We do feel that this is an excellent formula and should be very good for exterior exposure. Any limited production of this material would be welcomed by this laboratory. We would like to obtain as much experience and evaluation of this product as possible. We feel that this could be the future replacement for Y-1851.