Agenda No. B6

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OZLO 18M
MONOBASIC LEADED ZINC OXIDE
in House Paint

The Sherwin-Williams Co.
PV+L 2nd Annual Symposium
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Cleveland, Ohio

Abstract: After over four years of extensive tests in house paints, Ozlo 18M shows in every respect comparable durability to Ozlo 35 when used 4# for 5#, making up the deficiency of bulk by the use of added extender. Ozlo 18M shows very slightly better tint retention than Ozlo 35. This we attribute to a reduction in the colloidal fines. Furthermore, laboratory results show that this reduction in colloidal fines permits opening the mill slightly to obtain the same grind.

Extensive tests, covering all types of zinc oxides, leaded zinc oxides, mixtures of zinc oxides and basic sulfate white lead, or basic silicate white lead at oil levels from 3 3/4 to 5# per gallon and zinc levels from 1.63 to 2.93# per gallon at three exposure locations - Chicago, Kansas and Florida - show that the Ozlo 18M and Ozlo 35 impart greater mildew resistance to the paint than any other basic pigments. Furthermore, Ozlo 18M and Ozlo 35 show a greater factor of safety at lower zinc levels in resisting mildew than any other active pigment or pigments. Calculations based on over 150 different commercial house paint formulas show that by the use of Ozlo 18M from 12 to 18 cents per gallon can be saved without affecting the performance of the paint.