

CHROME COLORS

PROGRESS REPORT #1

INTRODUCTION:

During an examination of nine year old tests panels on the atmospheric exposures fences a panel coated with zinc chromate on silica was found to be in extremely good condition comparing favorable with M50.

Our zinc chromate on silica has two unique properties, it is black or dark gray in color and non lead. It would be extremely useful in places where either of these properties is desirable.

Under U. S. Patent 3,072,495 we have patent protection until 1980.

Because of this renewed interest two large laboratory quantities were prepared for further laboratory and field testing.

SUMMARY AND CONCLUSIONS:

A quantity of 40 lbs. was prepared. This is a duplication of the 1956 "3MZ" material, which showed such good properties. For identification it was marked -

Pigment 3MZ lot 9667.

While this material was adequately coated (70% of the larger particles) a second 25 lb. quantity was prepared containing 0.25% lithium chromate to improve the coating.

This sample was marked - Pigment 11MZ lot 6568.

Both samples were submitted to the Paint Department.

N 27322

NL 000041450