



REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE MINISTER
MANILA

097.13 MPWH
1-10-86

6 January 1986

MINISTRY ORDER
NO. 1
SERIES OF 1986

SUBJECT: Application of Paints.

To: Bureau/Regional Directors
Project Managers/Engineers
District/City Engineers
Others Concerned
This Ministry

It has been observed that most of the building and reflectorized traffic paints now being used do not last long because they fade and peel off easily. Their poor performance may be attributed to one or a combination of the following: (a) poor quality and (b) improper application.

To determine the quality of paint, proper sampling and testing should be undertaken prior to its application. The paint should not be used until tests on the sample show that the material passed the specification requirements. It should not be used or accepted on the basis of prior tests which have no connection with the actual delivery regardless of its source or brand.

To be assured that the paint will perform excellently, after its quality was proven to be satisfactory, the following guidelines set forth for its application should be strictly followed:

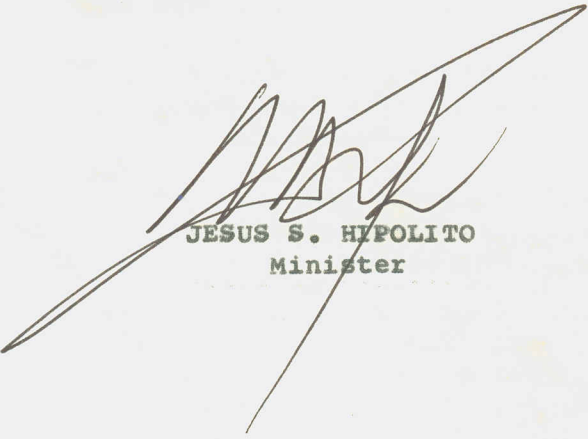
1. The surface to be painted must be dry and clean. It must be thoroughly free from dirt and other extraneous materials, especially compounds which are usually applied on concrete.
2. Thorough mixing of the paint should be made before application since the pigment, especially of red lead paint, and the glass beads of reflectorized traffic paint are heavier than the vehicle tending them to settle at the bottom of the container during storage.
3. The paint should be applied to about 0.4 mm film thickness and allowed to stand undisturbed for at least two (2) hours.
4. Paints should not be applied during rain, storms, nor when the air is misty, or whenever conditions in the area are unfavorable for the works.

5. Paints should not be applied on surface of high temperature.
6. No wide, flat brushes should be used. Use either round or oval brushes. If flat brushes are used they shall not exceed 100 mm in width.
7. The paint should be manipulated as to produce a uniform even coating in close contact with the surface being painted.
8. On surface inaccessible to brushes, the paint should be applied by spray gun or other device specially suited for that purpose.
9. Paints should be covered tight-fit when not being used to prevent undue exposure.

In case of pavement markings, the application of paint shall preferably be carried out by a machine specially made for that purpose but if brushes are used, the type and width of brush specified above should be allowed. Traffic paint should be applied to the pavement at the rate of 0.33 l/m^2 and should dry sufficiently to be free from cracking-in from 15 to 30 minutes.

Compliance is hereby enjoined.

This supersedes all existing memoranda/orders on this subject matter.



JESUS S. HIPOLITO
Minister