

1002 PAINT

The Inspector should be able to recognize the various paint categories since mixing and storage requirements vary. The Standard Specifications group paint into the following categories; Three-Paint Coating Systems, Aluminum Paint, Zinc Paint, Acrylic Emulsion Paints. Three-paint coating systems are considered as one unit and include a primer (paint number 1), intermediate coat (paint number 2) and topcoat (paint number 3). Zinc paint is a two-part (zinc oxide-vehicle & zinc dust) coating system used as a primer to repair galvanized metal surfaces. Aluminum paint is a two-part (water vehicle & aluminum paste) coating system normally used as a finish coat. Acrylic emulsion paint is a waterborne (latex) universal coating system similar to exterior house paint.

Certificates of Compliance are required for each lot or batch of paint. The Certificate of Compliance should be received before paint is applied. Random samples of any lot or batch may be taken at any time. The Engineer should confirm that the Contractor and paint supplier have made arrangements for paint testing. Samples of paint may be tested at the Phoenix Central laboratory before any paint is delivered to the project, or may be obtained in the field or from the fabricator and submitted to Materials Group for testing.

Three-paint coating systems must be on the Department's [Approved Products List](#). Acrylic emulsion paint must either be on the Department's [Approved Products List](#), or have a Certificate of Analysis.

After testing, the containers of approved paint will have appropriate tags or labels attached identifying them as tested and approved. Additional samples will be taken at the project site as the paint is used.

The Standard Specifications require each label to clearly show the exact title of the paint, the Federal specification number (when applicable), the name and address of the manufacturer, the date of paint manufacture, and the lot or batch number.

Established suppliers of paint within the State are familiar with testing and approval routines; therefore, very few problems arise in dealing with these suppliers. Suppliers from out-of-state or those who have not dealt with ADOT may experience problems initially. The Engineer and the Contractor need to cooperate in order to minimize possible problems with paint testing and approval.

Aluminum paint must be mixed fresh each day. Do not store mixed aluminum paint, or place mixed aluminum paint in sealed containers.