

SECTION 1077 -- PAINTS AND PROTECTIVE COATINGS

1077.01 -- Description

The paint color shall be as specified in the plans or special provisions.

1077.02 -- Material Characteristics

1. All paints except the 2-component top coats and primers shall be furnished mixed and ready to use. When applied by approved methods, they shall show good covering and leveling qualities without running, sagging, streaking, or pigment floating.

2. Mixed paints, pastes, and paint components shall be of a smooth and uniform consistency and show no evidence of caking, thickening, livering, hardening, or other deleterious properties. They shall be free from skins and other foreign material. All mixed paints and paint components shall be capable of being broken up with a paddle and mixed to a smooth, uniform consistency. They shall not curdle, gel, or show any other objectionable properties.

3. When it is specified that the paint shall be tinted, the tinting material shall be thoroughly and uniformly incorporated with the paint to form a uniform and even shade.

4. All paints shall be air-drying and shall dry to a smooth finish, free from grit, seeds, or other surface imperfections. They shall not show undue change in sunlight or show appreciable discoloration with age. The dry-film shall show satisfactory adhesion to the metal surface and satisfactory intercoat and system adhesion.

5. All paints shall be packed for shipment in strong substantial containers. Two-component top coat and primer components shall be packaged separately or in double-compartment containers. The lids of the containers shall be of such design that they will exclude air and withstand considerable handling without becoming dislodged. Each container shall be plainly labeled. The label shall show the name of the manufacturer, the type of material, the date of manufacture, and instructions for use.

6. a. The Department reserves the right to sample all shipments of paint and to withhold acceptance of the paint until an analysis shows the paint meets the specified requirements.

b. Paint material or paint systems that do not meet the specified requirements shall be rejected.

7. The paints and paint material shall be tested as necessary.

1077.03 -- Acceptance Requirements

The paint materials and paint systems authorized for use shall be on the NDR Approved Products List.