

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CONSTRUCTION SPECIFICATION
CS-55: "PAINTING METALWORK"

55.1 SCOPE

The work shall consist of cleaning metal surfaces and applying paints and protective coatings.

55.2 MATERIALS

The metal paint shall be warranted by the manufacturer to be for the metal surfaces and the environmental condition of the site. The primer and paint shall be compatible as set forth in the manufacturer's recommendations.

The colors, gloss, and type of finish shall be specified on the drawings.

55.3 SURFACE PREPARATION

Metal surfaces to be painted shall be thoroughly cleaned and free from rust, scale, oil or grease. Surfaces shall be cleaned by wire brushing, sanding, grinding, sandblasting and/or solvents and acids. All surfaces cleaned by the use of solvents or acid shall be thoroughly rinsed with clear water and allowed to dry. The cleaned surface shall be bright base metal.

55.4 APPLICATION OF PAINT

Prior to application of paint, the technical representative shall inspect the work.

Unless otherwise specified on the drawings, surfaces shall be painted with one coat of metal priming paint and two coats of metal paint for exterior conditions.

Each coat shall be applied in such a manner as to produce a paint film of uniform thickness with a finished surface free from runs, drops, ridges, laps or excessive brush marks. The drying time between coats shall be in accordance with the manufacturer's recommendations. The covering in square feet per unit shall not exceed the manufacturer's recommendations. The surface of each dried coat shall be cleaned and/or sanded to remove the sheen, if necessary, before application of the next coat.

55.5 ATMOSPHERIC CONDITIONS

Paint shall not be applied when the temperature of the metal surface or the surrounding air is less than 40° F, nor when atmospheric conditions result in condensation of moisture on surface to be painted. Surfaces protected from atmospheric conditions by special cover, heating or ventilation shall remain so protected until the paint is dry.