

909-M-078 COATINGS, PAINTS, AND LIQUID EPOXY

(Adopted 12-19-25)

The Standard Specifications are revised as follows:

SECTION 909, BEGIN LINE 213, DELETE AND INSERT AS FOLLOWS:

(e) Finish Coat for Weathering Steel and Sound Barrier Posts

The finish coat shall be an aliphatic polyurethane or a waterborne acrylic coating; ~~and the color of the dried film shall match color No. 20045 of SAE-AMS-STD-595. It shall be suitable for use as a finish coat over an epoxy intermediate coating. The mixed coating shall be in accordance with the following requirements: meeting the material properties listed below.~~

1. Finish Coat for Weathering Steel

This finish coat shall be suitable for use as a finish coat over an epoxy intermediate coating. The color of the dried film shall match color No. 20045 of SAE-AMS-STD-595.

2. Finish Coat for Sound Barrier Posts

This finish coat shall be suitable for use as a finish coat over either an epoxy intermediate coating or an organic zinc primer coating. The finish coat shall be selected from the Department's QPL of Coating Formulations. The color of the dried film shall be as directed by the Engineer.

3. Material Properties

Material properties for each of the coatings shall be in accordance with the following requirements.

a. Aliphatic Polyurethane Coating

For an aliphatic polyurethane coating:

Specular gloss, 60°, 10 ±0.5 mils wet film thickness on	
a tin coated steel panel, dried 48 h, ASTM D523, max.	30
Total solids, % by weight, ASTM D2369, min.	60
Weight/volume, ASTM D1475, 25°C, min.	1.200 kg/L

b. Waterborne Acrylic Coating

For a waterborne acrylic coating:

Specular gloss, 60°, 10 ±0.5 mils wet film thickness on	
a tin coated steel panel, dried 48 h, ASTM D523, max.	30
Total solids, % by weight, ASTM D2369, min.	48.40
Weight/volume, ASTM D1475, 25°C, min.	1.200 kg/L