

909-C-257 EPOXY INTERMEDIATE PAINT REQUIREMENTS

(Adopted 09-21-17)

The Standard Specifications are revised as follows:

SECTION 909, BEGIN LINE 102, DELETE AND INSERT AS FOLLOWS:

(b) Epoxy Intermediate Paint

Epoxy intermediate paint shall be a two-component coating consisting of an epoxy resin and a curing agent, together with prime and filler pigments, colorants, gellant, leveling agents and solvents. When mixed, this coating shall be suitable for application over inorganic and organic zinc primers and shall be compatible with a polyurethane finish coat. The color of this coating shall contrast significantly from the other coatings within the coating system.

The mixed paint shall be in accordance with the requirements as follows.

Volatile organic compounds, ASTM D 3960, max.	336 g/L
Volume solids, ASTM D 2697, min.	60%
Set-to-touch, ASTM D 1640, 6 mils wet film thickness, 25 ± 1°C, max.	4 h
Potlife, 25 ± 1°C, min.	6 h
Weight/volume variance from the initially approved batch, ASTM D 1475, 25°C, max.	0.060 kg/L
Total solids variance from the initially approved batch, ASTM D 2369, max.	3.0%

The coating shall be applied within the pot life recommended by the paint manufacturer with no evidence of gelation. The coating shall be in a free-flowing condition and easily sprayed.

The infrared spectra of each component and of the mixed coating shall essentially match the spectrums of the initially approved batch.