**SECTION 09878.1 (CUSTOM)**

**RECOATING AND DISINFECTION OF INTERIOR SURFACES OF AN EXISTING
WELDED STEEL TANK BASED ON 100% REMOVAL OF EXISTING COATING
AND REPLACEMENT WITH AN EPOXY COATING SYSTEM**

## 3.07 APPLICATION, INTERIOR COATING SYSTEMS

A. After completion of surface preparation as specified, tank floor and bottom one‑half foot of shell shall receive a 100% solids epoxy system, and all other surfaces shall receive a three coat epoxy system. All coating materials shall appear on the current ANSI/NSF Standard 61, latest. Topcoat shall be white. The total system shall be one of the following systems:

 1. Carboline Company:

a. Floor and Bottom one-half foot of shell

i) Prime Coat: Carbozinc 859 VOC or equal (must be NSF 61 certified), Minimum Dry Film Thickness 2.5 mils [note: Specifier may choose to eliminate zinc primer and adjust total DFT to 30 mils]

ii) Top Coat: Phenoline 341, Minimum Dry Film Thickness 30 mils

iii) The minimum dry film thickness of the completed system shall be 32 mils (0.032").

b. Shell and Roof

i) Prime Coat: Carbozinc 859 VOC or equal (must be NSF 61 certified), Minimum Dry Film Thickness 2.5 mils [note: Specifier may choose to eliminate zinc primer and adjust total DFT to 15 mils]

ii) First Intermediate Coat: Carboguard 891 VOC, Minimum Dry Film Thickness 4‑6 mils

iii) Second Intermediate Coat: Carboguard 891 VOC, Minimum Dry Film Thickness 4‑6 mils

iv) Topcoat: Carboguard 891 VOC, Minimum Dry Film Thickness 4‑6 mils

v) The minimum dry film thickness of the completed system shall be 17 mils (0.017").

### 2. Sherwin Williams Company:

a. Floor and Bottom one-half foot of shell

i) Prime Coat: Corothane 1 GalvaPac, Minimum Dry Film Thickness 2.5 mils [note: Specifier may choose to eliminate zinc primer and adjust total DFT to 30 mils]

ii) Top Coat: SherPlate PW Epoxy, Minimum Dry Film Thickness 30 mils

iii) The minimum dry film thickness of the completed system shall be 32 mils (0.032").

b. Shell and Roof

i) Prime Coat: Corothane 1 GalvaPac, Minimum Dry Film Thickness 2.5 mils [note: Specifier may choose to eliminate zinc primer and adjust total DFT to 15 mils]

ii) First Intermediate Coat: Macropoxy 5500, Minimum Dry Film Thickness 4‑6 mils

iii) Second Intermediate Coat: Macropoxy 5500, Minimum Dry Film Thickness 4‑6 mils

iv) Topcoat: Macropoxy 5500, Minimum Dry Film Thickness 4‑6 mils

v) The minimum dry film thickness of the completed system shall be 17 mils (0.017").

3. Tnemec Company:

a. Floor and Bottom one-half foot of shell

i) Prime Coat: Series 94-H2O Hydro-Zinc, Minimum Dry Film Thickness 2.5 mils [note: Specifier may choose to eliminate zinc primer and adjust total DFT to 30 mils]

ii) Top Coat: Series 22 Epoxoline, Minimum Dry Film Thickness 30 mils

iii) The minimum dry film thickness of the completed system shall be 32 mils (0.032").

b. Shell and Roof

i) Prime Coat: Series 94-H2O Hydro-Zinc, Minimum Dry Film Thickness 2.5 mils [note: Specifier may choose to eliminate zinc primer and adjust total DFT to 15 mils]

ii) First Intermediate Coat: Series L140F Pota-Pox Plus, Minimum Dry Film Thickness 4-6 mils

iii) Second Intermediate Coat: Series L140F Pota-Pox Plus, Minimum Dry Film Thickness 4-6 mils

iv) Topcoat: Series L140F Pota-Pox Plus, Minimum Dry Film Thickness 4-6 mils

v) The minimum dry film thickness of the completed system shall be 17 mils (0.017").

**END OF SECTION 09878.1**

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