



Case Study

INTEGRITY - RESPECT - RELIABILITY - INNOVATION

250K Elevated Crownsville Hospital-Front Water Storage Tank Reconditioning

After 25 years of service, Maryland Environmental Service’s 250K Elevated Hospital-Front Water Storage Tank located in Crownsville, Maryland was due for reconditioning. Fortunately, the project posed no real or extraordinary challenges, according to the owner, consulting engineer, inspector and contractor.

Induron is proud to have been selected as the manufacturer on the project and enjoyed working with Horizon Bros. Painting Corporation (contractor) and HRV Compliance Verification Associates, Inc. (inspector) to complete this project. To re-protect this asset, Induron specified the interior and exterior paint systems detailed below

COATING SPECIFICATIONS:

EXTERIOR:

COAT QTY	APPLICATION	DESCRIPTION
1	Surface Prep	SSPC-SP-10-89 White Metal Standard Profile 2.0 - 3.0 Mils
1	Prime Coat	Indurazinc DF67 @ 2.0 - 3.5 mil DFT
1	Intermediate	Permaclean 3 Epoxy @ 3.0 - 4.0 mil DFT
1	Intermediate	Permastic LV @ 2.0 - 4.0 mil DFT
1	Finish Coat	Indurlux 9400 Epoxy Siloxane @ 2.0 - 4.0 mil DFT
1	Total Thickness	Total System @ 9.0 - 15.5 mil DFT

INTERIOR:

COAT QTY	APPLICATION	DESCRIPTION
1	Surface Prep	SSPC-SP-5-89 White Metal Standard Profile 2.0 - 3.0 Mils
1	Prime Coat	Indurazinc MC67 @ 2.0 - 3.0 mil DFT
1	Stripe Coat	Permaclean 100 Epoxy @ 3.0 - 6.0 mil DFT
1	Pit Filling	Aquatapoxy A6 Thick, As Necessary directly over Indurazinc MC67
1	Finish Coating	Permaclean 100 Epoxy @ 20.0 - 30.0 mil DFT
1	Total Coating	Total System @ 22.0 - 39.0 mil DFT



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250K Elevated Crownsville Hospital-Front Water Storage Tank Reconditioning (cont.)

The interior system finish is a solvent-free, single-finish coat high-build system that reduces labor and offers maximum corrosion protection. The exterior system finish, [Indurlux 9400 Epoxy Siloxane](#), provides a polyurethane-like finish with exceptional weatherability, chemical resistance, gloss and color retention and contains no isocyanate. Indurlux 9400 is also available in almost any color. Both systems were compliant with Maryland VOC regulations, which are some of the nation's most stringent!

Maryland Environmental Service commented that Indurlux 9400 provides a wonderful gloss, and they are expecting the color and gloss to provide years of aesthetic value!



Polysiloxane provides:

- A premium finish.
- Superior and long-term color and gloss retention when compared to standard aliphatic polyurethane finishes.
- Extended service life to first maintenance (lowers the cost of ownership for valuable steel assets).
- Enhanced visual aesthetics.
- Dual benefit of corrosion protection and aesthetics.
- Flexibility in application (Brush / Roll / Spray).
- VOC Compliant (to most stringent regulations).
- Isocyanate-free coating.
- Reasonable working times (4 hours at 70F).
- Wide range of color options.