



Novi, Michigan Water Tank Gets Restored – and a New Ride

New polysiloxane technology provides years of protection coupled with color and gloss retention.

Case study



The Customer

Protective Coatings Epoxy Systems

The Location

Novi, Michigan

The Challenge

As a suburb of Detroit, the town of Novi, Michigan has a long history with the auto industry. Incorporated as a city in 1969, Novi was named after the high-powered Novi racing engine used at Indianapolis in the late 40's and 50's, and its water tower is adorned with an illustration of the "Novi Special" racer. However, after years of exposure to the elements, with corrosion and rust getting the best of the storied tower, it was finally time to have this town landmark refurbished.



Before



After

The Solution

Mike Moran, owner of Protective Coatings Epoxy Systems in Detroit, was commissioned to restore the Novi water tower. Mike collaborated with the local PPG office to select PPG AMERLOCK® SEALER as the primer and PPG AMERLOCK 2/400 as the intermediate coat for the legs of the tower, due to all the nuts, bolts, and hard-to-reach areas. He also selected PPG AMERLOCK 2/400 as the primer for the barrel/tank and PPG PSX® 700 as the topcoat for the entire structure. The work began with a dry blast of the barrel and legs to remove any loose coatings and corrosion and to prepare the surface for application of the base coats. Once these base coats were completed, the PPG PSX finish coat was applied in the original colors.



The tower is visible for miles around, so we needed a coatings solution that could make the colors pop for years to come. And with the imperfections and undulations in the surface, the tight cure of the PPG PSX 700 allowed us to have faith that the coating would stand the test of time.

Mike Moran, Owner
Protective Coatings Epoxy Systems



The Benefits

PPG PSX 700 offered the team an easy-to-apply, high-performance, and low VOC (84 g/L) coating solution. Though the application process was hampered by inclement weather, choosing PPG PSX 700 made the overall project timeline shorter, as this coating allows for warm or cold and wet or dry application. With a tight cure, PPG PSX 700 minimized imperfections and undulations in the surface, ultimately enhancing the chemical resistance long-term.

The Result

As a finishing touch, a new decal of the Novi Special race car was created and applied to the barrel, restoring the water tower back to its original splendor as the pride of Novi.

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