



EPOXYTEC™

Manhole Rehab is Easy When Using Epoxytec Products

THE PROBLEM

Located in Santa Barbara, CA, four brick and concrete manholes needed rehabilitation due to minor root intrusions and mild body deterioration caused by gas exposure. There was no outside water intrusion making this an easy rehab project for contractor V. Lopez Jr. & Sons G.E.C., Inc. who has been providing professional general engineering contracting services throughout California and the Central Coast since 1979. Using Epoxytec's manhole rehab solutions would make this manhole rehab project simple.

PRODUCTS THAT OUT-PERFORM

Epoxytec's manhole rehabilitation solutions have been proven in the water wastewater market for over two decades. The combination of Mortartec Ceramico for rehabilitation and Epoxytec's CPP Liner for protection make this an ideal system for manhole rehabilitation. Mortartec Ceramico provides a specific balance of Portland cement, hardened ceramics, graded silica aggregate, synthetic fibers and silica fume to produce one of the most coveted mortars for rehabilitation. Adding a topcoat of Epoxytec's CPP provides the protection necessary for the harshest environments. This two-component liner is moisture insensitive, highly adhesive, and chemical resistant. It is a 100% solids, high strength epoxy paste with superior adhesion. Epoxytec provides this predecut in both towelable and spayable forms for application.

THE APPLICATION

V. Lopez Jr. & Sons began the application by removing loose materials from the interior of the manhole. Next they used a high-pressure wash on the entire interior surfaces.

The following day, Mortartec Ceramico was installed over deteriorated areas throughout the manholes. Parts A & B were premixed, then Part C was slowly added for the final mixture of Ceramico. A sprayer with clean water was used to dampen the

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Featured Products

CPP Trowel-Liner



Project Information

Project Location

Santa Barbara, CA

Completion Date

June 2020

Structure

Manhole

Owner

County of Santa Barbara / Laguna Sanitation District

Applicator

V. Lopez Jr. & Sons G.E.C., Inc.



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Manhole Rehab is Easy When Using Epoxytec Products (cont.)

surface prior to applying Ceramico then a hand trowel was utilized to spread the Ceramico over the deteriorated areas. All gaps and voids were filled and after applying the Ceramico, a damp sponge was used to smooth the surface in preparation for the CPP installation.

The following day CPP was applied at 250 mills over all the manholes with a hand trowel. The crew constantly checked the mill gauge to ensure 250 mills were reached consistently.

A FINAL LOOK

No unusual factors or time constraints affected this project. The outside temperature was a mild 70-79° F with no rain and low humidity all week. The entire project lasted five working days from start to finish and the fact that there were no major obstacles to contend with, an experienced contractor was on the job, and proven products were used made this rehabilitation project a slam dunk. "The Epoxytec products have proved to be easy to use and extremely durable. Customers are very pleased with the product and the overall look. I can wait to introduce more customers to these great products!" Butch Lopez, Project Manager & Treasurer, V. Lopez Jr. & Sons G.E.C., Inc.

