



INTERPLASTIC

CASE

history



Interplastic's CoREZYN® product repairs pipe in Veracruz, Mexico

Long-term, cost-effective, trenchless cured-in-place solution

When armored concrete sewer pipe corroded by water in Veracruz, Mexico, began to fail, the city needed a cost-effective yet foolproof fix. More than 1,200 liters per second of water runs through the pipe, adjacent to the Gulf of Mexico. The city called upon a contractor who identified the solution: in situ repair with cured-in-place pipe (CIPP) and resin from Interplastic Corporation, based in Saint Paul, Minnesota.

Approximately 2,228 meters of the Colector Manuel Avila Camacho in the heart of the Veracruz sanitary system was rehabilitated with Interplastic's CoREZYN COR72-AA-457. Pipe diameter ranged from

30 to 72 inches (762 to 1,829 mm). The pipe runs underneath a tourist boulevard in the hotel and restaurant district. This pipe serves more than 50,000 residents and commercial customers.

The contractor, INSADE (Industrias de Saneamiento y Desazolve) S.A. de C.V., has used CoREZYN for all of its CIPP needs in Mexico for the last decade. In the nighttime repair project, flow through the pipe was rerouted. Then, the original pipe, compromised by sand and inorganic materials, was cleaned with a vacuum truck. The Interplastic liner with thermoset plastic resin was inserted into the pipe, then inflated

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to tightly hug the existing pipe walls. The liner was cured with hot water, and the relined pipe was inspected with closed-circuit television cameras. The new pipe—designed for a 50-year lifespan—has no seams, cracks or joints, allowing for better flow due to reduced friction.

The project began in October 2007 and was completed in September 2008.

“The original pipe, in service since 1970, was determined to be faulty when a regular check revealed that water flow volume at the exit was significantly lower than water flow at the entrance,” explains Ing. Elias A. Rojas, of INSADE. “Failure could have resulted in ground contamination from sewage and collapse of pipes.”

Interplastic technical experts and laboratory testing facilities are available for troubleshooting and formulating resins for new applications. Product information, including literature, troubleshooting guide, case histories, technical papers, instructional CDs and performance data are available on Interplastic’s Web site www.interplastic.com.

Interplastic Corporation is a specialty chemical company with headquarters in Saint Paul, Minnesota. Its Thermoset Resins Division focuses on the production and distribution of unsaturated polyester, vinyl ester resins, gel coats and colorants for the composites and cast polymer industries. The Molding Products Division is a leader in the production of sheet molding compounds and other thermoset molding materials. Interplastic’s North American Composites subsidiary is a national, full-service supplier to these same industries.



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