

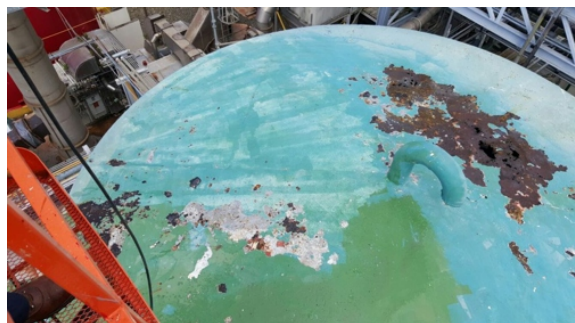
E190Epoxy Adhesive
& Composite
Resin

Pipe & Tank Repair Kit

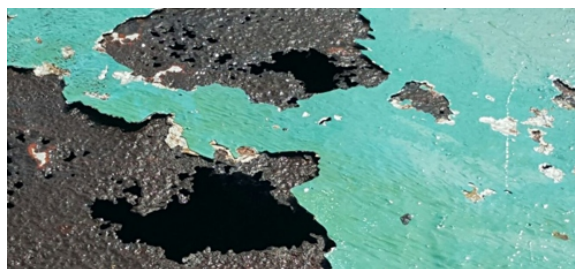
Case Study

Pharmaceutical Plant Corroded Tank Repair

A pharmaceutical plant in Puerto Rico sought a repair method for a badly corroded industrial tank to keep it operational until a scheduled replacement



The tank roof was suffering from heavy corrosion



Whilst being cleaned in preparation for repair, the brittle metalwork crumbled away to leave large holes



E190 Brushable Epoxy Resin was coated onto strips of Fibreglass Tape to patch repair the holes



Three layers of Ceramic Brushable were painted onto the patched roof, creating a new outer surface with resistance to corrosion and abrasion

Defect

The tank was due to be replaced in several years - but corrosion to its roof had now become so bad that an immediate repair was needed to keep it operational.

Primary consideration was cost; the plant did not want to spend thousands of dollars on the tank, only for it to be condemned in the near-future.

Solution

It was decided to paint **Ceramic Brushable Green Epoxy Coating** onto the roof to form a new outer layer reinforced with silicon carbide, offering high corrosion and abrasion resistance.

Paint, rust and grime had to be removed from the roof before application of Ceramic Brushable. This process caused the brittle metalwork to crumble away, leaving multiple large holes which now required sealing.

Each hole was bridged using strips of **Fibreglass Tape** soaked in **E190 Brushable Epoxy Resin**. The tape was layered over the hole, where the E190 resin cured it rock-hard to create a composite patch repair.

Three layers of Ceramic Brushable were then painted onto the roof of the tank with a re-coat time of four hours, completing the repair.

Result

The final coating cured 24 hours after application. The entire repair took a little under two days to complete.

Complications down the line meant the scheduled replacement of the tank was eventually suspended.

Five years later and the tank was still in service, fully functional with no signs of corrosion thanks to the protection provided by Ceramic Brushable.