

Nitrogen Line Pipe Rehabilitation



PROBLEM

This 6" 180-psi Nitrogen Line that was suffering from severe corrosion supplied a key chemical manufacturer.

Unconventional Solutions was called in and asked to offer a solution.

SUBSTRATE

Metal

PRODUCTS USED

[Resimetal 302 Repair Cement](#)
[Resimetal 301 Fiberglass Resin](#)
[Resimac 703 Glass Tape](#)
[Resichem 501 CRSG](#)
[Viscotag Mastic](#)
[Denso EZ Wrap](#)

SOLUTION

After proper SSPC-SP-1 and SSPC-SP-2 prep, **Resimetal 302 Repair Cement** was used to fill in pitted steel. **Resimetal 301 Fiberglass Resin**, along with **Resimac 703 Glass Tape** built a pipe rehabilitation system giving hoop strength and created a pipe over a pipe incase anything fails in the future.

Resichem 501 CRSG was used to coat the entire flange and pipe to provide a robust corrosion protection system and to prevent further degradation. The flange was in good condition so **Viscotag Mastic** and **Denso EZ Wrap** manufactured by Denso were recommended for corrosion protection on this area.