

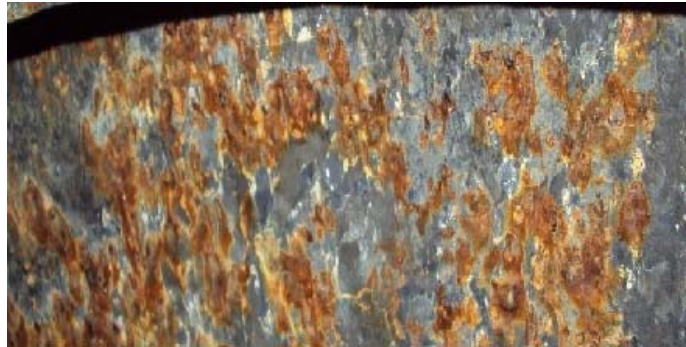


Worldwide repairs carried out with PolymerMetal®

REP-# 171



Fractionating column



Advanced corrosion on inner tower wall of an untreated plant after 6 months in operation



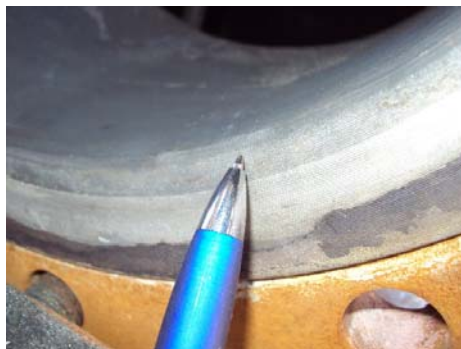
Application of VP 10-500



Curing with the help of wrapped heating elements



Inner tower wall after repair elements



Inspection of the VP 10-500 coating after 5 years – intact!

In fractionating columns or cracking facilities in the chemical or petrochemical industry, there are operating temperatures of 200 - 300 °C and pressures of 0,3 - 2 bar. During the extraction of heavy fuel, side products like anthracene, creosote, naphthalene, disinfectant, etc. are generated, which will cause chemical corrosion of the inner walls in the long run. After various investigations it was decided to apply the hot-curing PolymerMetal® VP 10-500 as a protective coating on the inner walls of a new plant. VP 10-500 possesses a very good temperature and also a good chemical resistance against various chemicals originated by the oil. Untreated inner walls made of stainless steel (steel grade SA240-316L) are corroded already after 6 months. In contrast the functionality of the VP 10-500 coating is still given without any objections even after 8 years.

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