



CORROSERV (M) SDN BHD

CASE HISTORY ~ CH0204

LEAK SEALING AND REHABILITATION OF 1.5” PIPE

THE CHALLENGE: Currently, one of their 1.5” pipe flangeolet was severely corroded. Therefore, they need information on the available repair system that can rehabilitate the defect area of the pipe flangeolet to its design pressure and temperature.

Design Pressure	: 840 psig (57.92 Bar)
Operating Pressure	: 672 psig (46.33 Bar)
Design Temperature	: 260°C
Operating Temperature	: 20°C - 250°C
Medium	: Process Gas

THE SOLUTION: Corroserv (M) Sdn Bhd proposed composite wet layup system together with our solvent free Corro-Heat 206 as the resin system to solve this problem. Corro Heat 206 has a high temperature resistance until up to 260°C, which makes it ideal for this case. The system was applied with surface preparation according to SSPC-SP1 using Bio Rust-Off and SSPC-SP11 standards using Ex-Certified Safety Tools. Details of the applied system are as follow:

Infill & Rebuilding	: Corro-Heat 206
Interface	: Corro-Heat 206 at average thickness of 500µ
Saturating Resin	: Corro-Heat 206
Composite System	: CRBX 650 (0.55mm/layer, 10 layers)
Top Coat	: Corro-Heat 206 at average thickness of 400µ



Figure 1.0: Initial condition of 1.5” flangeolet



Figure 2.0: Visual of applied repair system on the 1.5” flangeolet prior to topcoat application

APPLIED SYSTEM:
CORRO-WRAP™ WET LAY-UP

YEAR:
2018

LOCATION:
KELANTAN

NO SEA TOO DEEP, NO JOB TOO TOUGH!