



CORROSERV (M) SDN BHD

CASE HISTORY ~ CH0242

LEAK SEALING & REHABILITATION OF UNDERGROUND CLOSED DRAIN LINE (POINT 2)

THE CHALLENGE: Currently, a circular leak defect was found on their DN50 (2") underground drain line at 2160, P5. Therefore, they need information on the available repair system that can seal the leak and rehabilitate the defect area to its design pressure and temperature. Listed below are the details of the job done:

Defect Type	: Circular Leak
Pipe OD	: DN50 (2")
Design Temperature	: 200°C
Operating Temperature	: 38°
Design Pressure	: 7 Bar
Operating Pressure	: 0.2 Bar
Medium	: Hydrocarbon (Benze, H2S & Other)

THE SOLUTION: Corroserv (M) Sdn Bhd proposed composite wet layup system using CRBX600 saturated with Corro-Heat 206 as the composite system to solve this problem. The resin possesses high temperature and chemical resistance properties. The system was applied online with surface preparation according to SSPC-SP11 standards using non-sparking safety tools. Details of the applied system are as follow:

Surface Preparation	: SSPC-SP11 (Power Tool Cleaning to Bare Metal)
Infill & Rebuilding	: Corro-Dur™ 450
Interface	: Corro-Heat 206
Composite System	: CRBX600 + Corro-Heat 206 (0.5mm/layer) (10 layers)
Top Coat	: Corro-Heat 206

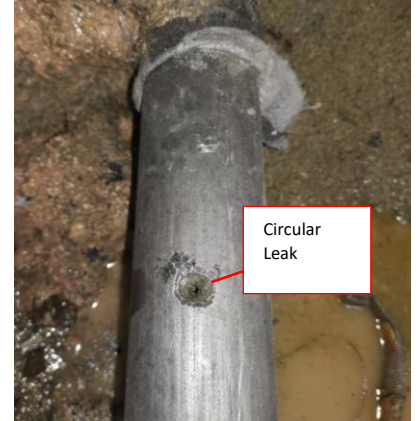


Figure 1.0: Initial condition of 2" pipe



Figure 2.0: Condition of pipe after top coat application

APPLIED SYSTEM:
CORRO-WRAP™ WET LAY-UP

YEAR:
2020

LOCATION:
PENGERANG, JOHOR

NO SEA TOO DEEP, NO JOB TOO TOUGH!