



CORROSERV (M) SDN BHD

CASE HISTORY ~ CH0104

LEAK SEALING & REHABILITATION OF 24" VENT GAS WASH TOWER

THE CHALLENGE: The client's vent gas wash tower vessel, C-0701 is leaking due to external corrosion. There are five nozzles at the unit, 3 at the upper half and 2 at the lower half of the vessel. Holes between 25 – 50 mm are scattered at the defect area. While waiting for a new unit to be fabricated as the vessel replacement, the operation department needs the damaged vessel to be repaired. So, the client requested Corroserv (M) Sdn Bhd to seal the defect area and rehabilitate the vessel.

THE SOLUTION: Corroserv (M) Sdn Bhd proposed Bas-Rap™ (Basalt Fibre Wet Lay-Up with Corro-Dur™) system as the solution to this problem. The system was applied with minimum surface preparation to SSPC-SP 3 standard using combination of power tools cleaning method. Details of the applied system are as follow:

Surface Preparation	: SSPC-SP3 (Power Tool Cleaning)
Leak Sealing	: Mesh Tape + Corro-Dur™ 255 (min. 300 microns)
Interface	: Corro-Dur™ 563 (min. 500 microns)
Composite System	: Bas-Rap™ (1mm/layer, min. 5 layers)
Topcoat	: Corro-Dur™ 258 (min. 500 microns)



Figure 1.0: Condition of the leak prior to repair application



Figure 2.0: Condition of the pipe after wrapping and topcoat

APPLIED SYSTEM:
CORRO-WRAP™ WET LAY-UP

YEAR:
2012

LOCATION:
KUANTAN, PAHANG

NO SEA TOO DEEP, NO JOB TOO TOUGH!