



# CORROSERV (M) SDN BHD

CASE HISTORY ~ CH0033

## REHABILITATION OF FLANGES ON VESSELS

**THE CHALLENGE:** Currently, client has come across some heavy pitting on the raised face flange of their pipeline joints between 2 – 4 mm maximum during inspection on a routine shutdown. The client is looking for an alternative repair system that can rebuild the corroded part of the flange face and stop further deterioration or corrosion which if not attended to could induce leaks or would have to be replaced.

**THE SOLUTION:** Corroserv (M) Sdn Bhd was asked to rebuild the structures. Thus, for this repair, Gas-Pruf 130 was used as primer and build-up metal loss with Corro-Fix 911. File and sand down to the original surface level and apply a final coat of Corro Dur 252 on pipelines operating below 80°C while Corro-Chem 330 was applied if temperatures will reach 100°C but not above 125°C.

**THE RESULT:** The client was satisfied with the repair done as it exhibits a smooth and level surface that almost match the original on the flange face. The Corro Dur resins used are considered first class quality that provide excellent adhesion strength, chemical and high temperature resistance coupled with strong / tough material with the inclusion of the KEVLAR fibers in the formulation.



Figure 1: Application of Gas-Pruf 130 as primer



Figure 2: Application of Corro Dur 252 (Temperature <80°C)



Figure 2: Application of Corro Chem 330 (Temperature above 100°C)

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APPLIED SYSTEM:  
CORRO-WRAP WET LAY-UP

YEAR:  
2005

LOCATION:  
BRUNEI

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*NO SEA TOO DEEP, NO JOB TOO TOUGH!*

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Corroserv (M) Sdn. Bhd.  
No 20 & 22, Jalan IM 14/15,  
Bandar Indera Mahkota,  
25200, Kuantan, Pahang,  
Malaysia.

Phone +6095735623  
Fax +6095733347

Email [admin@corroserv.com.my](mailto:admin@corroserv.com.my)  
Website <http://www.corroserv.com.my>