

CASE FILE

Rebuild of Flange Faces on DGF Vessel

The Customer

Major Petrochemical Company, AUSTRALIA

The Application

Flange faces on the underside of Vessel DGF.



Blasting prior to application



Belzona® 1111 Supermetal
being applied



Completed application
(before O ring removed)
and edge cleaned up



Blank being fitted



The Problem

Due to access issues the repair of corrosion damage to two flange faces on process vessel of the offshore platform meant that conventional welding and machining was not an option.

The Products Used

Belzona® 9411 Release Agent
Belzona® 1111 Super Metal

The Substrate

Flanges

The Application Method

Metal surface was cleaned and coated with Belzona® 9411 and allowed to dry.

Belzona® 1111 Super Metal was mixed and applied by brush, ensuring 100% contact with, no air entrapment. Blinds were repositioned to allow correct thickness for the Belzona curing to be achieved. Excess Belzona® was then removed from flange using a file.

The Outcome

Original scope of work suggested pre-formed spacers be made to give the minimum 2mm height clearance above raised flange face for the cured Belzona®, but a better result was achieved using flat washers.