

## Yeoman Bridge Coating Case Study





## Project Information - Cargo Hold Bulkhead Coating

Project was to protect the steel bulkheads from further deterioration suffered from coal and granite loadings. Coal contains sulphur which causes severe corrosion when in contact with the ships steelwork. After steel was blast cleaned it was apparent that the steel was extremely pitted due to corrosion.

The solution after blasting was completed was to coat the cargo holds using a solvent free Urethane which could be sprayed in one application of up to 3mm at once, saving valuable time in dock. Resin completely encapsulated the steel providing a barrier for future granite and coal loadings.



Corrugated bulkheads blasted to SA 2.5 standard prior to coating application.



Lisnave Shipyards in Portugal was the location for the project.



Fast set Urethane applied to cargo hold bulkheads and ladder sections to a thickness of 3mm (3,000 microns) in 1 single application.



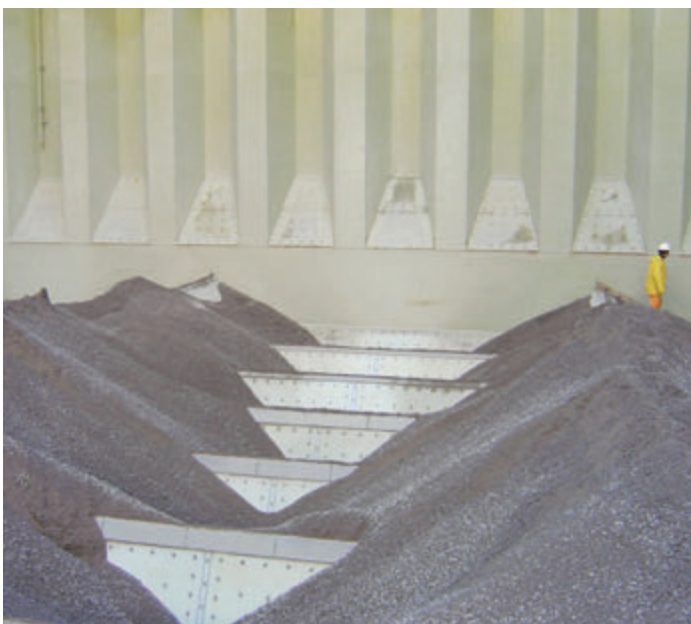
Fast set Urethane applied using plural component heated spray pump.



Granite loading into Urethane coated cargo holds.



Paint thickness measurements, detailing readings with little or no wear of the solvent free resin. Taken 9 months later in the cargo.



Granite stored in completed Urethane coated cargo holds.  
Abfad can provide solutions to prolong the life span of client's assets.

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