



Kick Pipe Protection – Naval Vessels

Case Study

Corrosion protection on deck kick pipes (naval vessel)

Location	Undisclosed
Local Environment	Naval
Date	Jan 2023
Condition	Dry
Total Coatings	67
Substrate Type	Kick Pipes
Duration	5 Days

Kick Pipes Prior To Coating



Summary

Oxifree TM198 was selected by a naval customer as the only appropriate solution for protection of the kick pipes on their vessels from corrosion at the point of deck penetration.

Introduction

Corrosion is common at these areas due to a build up of water lying on the deck.

Objective

Oxifree were requested to carry out the coating of Oxifree TM 198 & Oxitape at 67 locations on a naval vessel at an undisclosed location in January 2023

Kick Pipes - Oxifree



Kick Pipe Prior To Coating



Case Study

Process

Oxifree application technicians completed the project in 5 days. The Oxifree TM198 was applied directly onto kickpipes all the way down to the deck to protect from water ingress. As a secondary measure, Oxitape was applied on top of the TM198 to allow for a mechanical barrier to avoid any damage to the TM198 during operations etc.

The application was carried out using the Oxifree Polymelt 12 application machine (situated on the deck) with a 6m hose

Solution

A 4mm coat was applied to all areas. The coating, as approved by the client, will ensure the kick pipes are protected for 10 years. No sand-blasting required, weather was not an issue during application. In the future, the material is easy to remove for inspection. The anti-corrosion oil also acts as a penetrating oil for any existing corrosion.

Conclusion

Oxifree was deemed as the only viable cost-effective solution for these areas by the client with one of the main attributes being that Oxifree TM198 is extremely UV resistant and by also utilising Oxitape, it provides maximum protection from corrosion and also external damage.

Kick Pipes – Oxifree & Oxitape



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