

INDUSTRIAL CASE STUDY



SEA CONTAINER (MODULE ROOF RESTORATION)



SITUATION

A client was experiencing costly abrasion and corrosion issues with their offshore modules. The converted sea containers are used as offices, mess halls and first aid rooms on offshore rigs.

The steel cable that is secured to the lifting points of the modules and used to crane the modules into position rubs against and strips the paint off the roof of the module. Given the environment, the salt water quickly corrodes the exposed steel.

This leads to considerable cost in refurbishing the damaged modules as well as downtime whilst new modules are brought onto site to replace the damaged ones.



SOLUTION

LINE-X XS-350 was chosen as the most suitable compound for the job due to its unrivalled strength characteristics and supreme resistance to corrosive chemicals.

The area of coating included the roof of the module and down all the sides approximately 300mm with the Application of the LINE-X to 3mm except for the corners where the mounting pins are located. Due to tolerances of the pins this area will be coated only 1mm - 2mm thick.

After blasting the masked up module to get rid of the existing rust/paint and creating a profile for a strong mechanical bond. LINE-X Fast Cure Primer (FCP) is sprayed to a further strengthen to the LINE-X bond. The LINE-X is then applied starting with the thin coat around the mounting pin, then building up to approximately 3mm on the roof and sides of the module.

An UV topcoat is applied immediately after the LINE-X to prevent the colour fading from exposure to the sun.



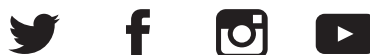
RESULTS

LINE-X provided a high impact and abrasion resistant coating to the roof of the module, greatly extending the lifespan of the modules. The procedure allowed the wire cables to be left on the roof of the module without the worry of rust and corrosion, saving the company downtime for repairs. The Client is very happy with the results.

PROJECT OVERVIEW: Offshore - Corrosion prevention

PRODUCTS USED: XS-350, FCP

SOURCE: LINE-X Kelmscott, Australia



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