



## VpCI™ SOLUTIONS FOR MILITARY APPLICATIONS

# CASE HISTORY

## US Marine Corps "105" Trailer Refurbishment



Before



Before



After



After

### DATE

November 2007

### CUSTOMER

United States Marine Corps (USMC)

### LOCATION

Lakewood, New Jersey

### PRODUCT

VpCI™ CorrVerter®

### CONTRACTOR

MILSPRAY

### PROBLEM

The USMC required repair of all rusted areas, prevention of further corrosion, and restoration of a trailer to pristine condition. The project had to be completed in a manner that was safe for both workers and the environment; and had to be compatible with the MIL-SPEC'ed Primer and Chemical Agent Resistant Coating (CARC) used.

### APPLICATION

The trailer was power washed to remove all dirt and loose rust. A needle scaler was used on the areas where the metal was completely rusted and gone. The vibration of the needle scaler helped to break loose any rust sandwiched between the two layers, as well as remove corrosion from the immediate area. Next, a grinder was used to remove all remaining surface rust that was accessible. The areas were vacuumed, blown off, and wiped down with alcohol. Cortec's VpCI™ CorrVerter® was brushed on all heavily rusted areas, including the areas between the two layers of metal where the metal was peeled back. The trailer was then patched using 16 gauge steel and 1/8" steel rivets which were primed with a waterborne epoxy primer. The area around the patch was then primed and top-coated with a water based CARC.

### CONCLUSION

Cortec's VpCI™ CorrVerter® was the perfect choice to assist in the restoration of the trailer; providing an easy to apply, environmentally friendly option for the mitigation of existing corrosion and the prevention of further corrosion. Further, VpCI™ CorrVerter® did not require any special HAZMAT procedures that are so common with other rust mitigation processes.

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