



VpCI® ADDITIVES FOR WATER TREATMENT

CASE HISTORY

Corrosion Protection for Commercial HVAC Systems



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PROBLEM

Massive HVAC units were coated with two coats of primer and a topcoat before being transported to a port. The logistics company responsible for prepping the units for export shipment noticed that the exteriors were rusting through the coatings even before there was time to wrap the units in VpCI®-126 Shrink Film. Being familiar and comfortable with Cortec® products, the logistics company suggested that the HVAC manufacturer contact Cortec® for help.

APPLICATION

The Cortec® team was called in to analyze the manufacturer's coating process. After working closely with the engineer and painter, VpCI®-375 and VpCI®-386 were chosen for use. Color-matching was done, and the viscosity was adjusted to meet customer specifications. The coatings were applied to the customer's materials and tested in Cortec® Laboratories. Finally, trial runs were set up on full units.

CONCLUSION

The manufacturer was able to decrease the primer to just one coat while also reducing the overall thickness of the coatings. Most importantly, the units no longer experienced corrosion at the export shipping locations. The manufacturer also adopted VpCI®-649 as part of the hydrotesting process to solve a rust problem that had been identified on internal piping during the course of developing a coatings solution. Thus, one problem/solution led to another, ultimately developing into a comprehensive plan to solve corrosion all the way from hydrotesting through export shipping.

DATE
2020

CUSTOMER
Market Leading Producer of HVAC Units

LOCATION
Southeastern United States

PRODUCTS
VpCI®-126 Shrink Film
VpCI®-375
VpCI®-386
VpCI®-649

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651) 429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: productinfo@cortecvci.com
www.cortecvci.com

