

## **Norwegian Sea Cruise Ship Case Study- Ship Decking**

*Fast curing, eco-friendly, one-coat anti-corrosion membrane that repels the salt-water environment.*



### **CUSTOMER**

Norwegian Sea Cruise Ship  
Upper Deck Corrosion Prevention  
Florida Gulf Coast  
2000

### **PROJECT TEAM**

EcoSeal, LLC. - Contractor.  
Norwegian Sea Personnel

### **PROJECT OVERVIEW**

In 2000, Norwegian Cruise Lines contracted with Rhino to repair and protect the upper decks of one of their cruise ships, which had started to corrode badly due to the salt air as well as the swimming pool situated mid-deck. The upper deck covering had to be removed and the underlying deck sprayed with ES 300. A new decorative matting deck cover was installed over the ES 300. This entire project was done while the ship was relocated from Houston to Florida by the ship's own staff, supervised by Rhino. To date, the deck has shown no further signs of corrosion.

### **CONSIDERATIONS**

**Corrosion Prevention:** The ES 300 Corrosion Prevention System was installed directly onto the upper deck of the cruise ship and then covered with a decorative deck material. ES 300's elastomeric properties, tenacious adhesion, and ability to provide a complete corrosion and moisture barrier for a substrate impacted by the salt-water environment made it ideal for this application.

**Ease of Installation:** The installation had to be done by staff labor, and it had to be completed in route from Texas to Florida, prior to taking on passengers. The single coat spray application enabled the crew to accomplish this in 4 days, under EcoSeal's supervision.

### **SYSTEM PRODUCTS**

**ES 300:** Polymer-modified elastomeric system that is specifically formulated for long-term corrosion prevention in the harshest of environments. ES 300 forms resilient, puncture-resistant, environmental envelope around deck type structures impacted by salt water air and moisture.