USS Roosevelt - Machine Space High Durability Deck Coating

Government – High Durability
ARC 855N Coating
Case Study 134

Challenge

Issue

Heavy traffic and chemical exposures damaged deck coating, increasing slip and fall hazards in machine space area

Goals

- Reduce slip and fall hazard

Root Cause

Hydraulic oils and hydrocarbon based fuels compounded by heavy foot traffic

Solution

Preparation

- Surfaces were power tool cleaned to SP11 white metal with 2+ mil (50 µm) angular profile

Application

- 30 mil (750 µm) of ARC 855N applied by roller and then broadcast with 20-40 grit Al2O3 for non-slip surface
- Excess abrasive was removed and a 15 mil (375 µm) sealer coat of ARC 855N was applied

Results

Client Reported

- System complies to Mil Spec 32171 High Durability Deck Coating - Surfaces
- 80% reduction in slip hazards noted

Annual coatings before ARC	$	65,000
Annual ARC coating	$	43,000
Savings	$	22,000

$=USD

Existing coating 1 year after installed

High traffic regions coated with ARC 855N for non-slip

High traffic regions coated with ARC 855N for non-slip

A.W. Chesterton Company
860 Salem Street, Groveland, MA 01834 USA

EN24252
07/14

CHESTERTON
Global Solutions, Local Service.