



PROJECT PROFILE

Weight savings and fire safety justify use of PolySpec® decking for multi-year ship project



CUSTOMER

General Dynamics NASSCO
San Diego, CA

PROJECT TEAM

General Contractor: PolySpec® Construction Services, Inc.
Houston, TX

Installer: Worldwide Flooring, Inc.
Houston, TX

INDUSTRY

Maritime

PROJECT OVERVIEW

The shipping industry is highly focused on maximizing both efficiency and capability. In order to achieve that, ships require that ultra lightweight materials be used to allow for increased load capabilities and improved operating speeds. Therefore, the evaluation of decking materials in ammunition and dry stores cargo holds of new T-AKE Navy ships was a lengthy process. The selection of PolySpec® 7K and LITE LATEX was based on a calculation of efficiencies available through weight savings – a total of 50 tons per ship. In addition, these products meet stringent IMO (International Maritime Organization) fire safety standards.

This system was used on the first ship of a multi-ship contract by shipbuilder General Dynamics NASSCO. It was also used in reefer storage areas. PolySpec® LITE LATEX was also as an underlayment in the living quarters. In some areas PolySpec® FLEX IMO was used as a finish coating system.

KEY CONSIDERATIONS

Weight savings: The decking system was chosen due to the efficiencies created through weight savings. The resulting fuel savings is significant.

Fire safety: All underlayment and finished decking products must meet IMO fire safety standards for smoke and toxicity emissions and be self-extinguishing.

SYSTEM PRODUCTS

- **PolySpec® 7K**
IMO Approved Deck Top Magnesite Insulation
- **PolySpec® LITE LATEX**
IMO Approved Light Weight Polymer Modified Underlayment
- **PolySpec® FLEX IMO**
IMO Approved Flexible Chip Seamless Floor

PolySpec® Construction Services, Inc.
Single-Source Construction Management

12524 Cutten Road, Suite C | Houston, TX 77066 | 281-453-4390 | 800-738-5042 | sales.usa@polyspec-cs.com | www.polyspec-cs.com

© Copyright 2008 PolySpec® Construction Services, Inc. | All Rights Reserved