Implementation of New Topside Paints

- Office of Naval Research estimates Navy could save over $5M/year by avoiding sailor/contractor labor to overcoat ships with fading Low Solar Absorbance (LSA) paint.

Problem: First generation LSA paints lose gloss and fade toward a "pink" color over time.
Color shift can occur in as little as one year.

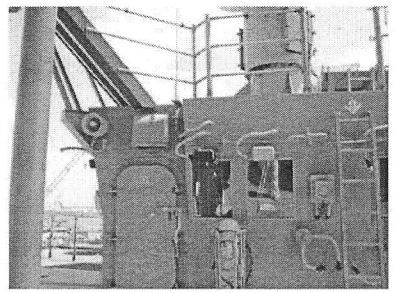
Solution: Accelerate implementation of improved, MIL-PRF-24635, Type V, polysiloxane LSA paints with minimal color shift over time.

Accomplishments:

1. FY-11 Standard Item 009-32 Allows use allow epoxy/polysiloxane system on steel or one coat of polysiloxane direct to aluminum.

2. Qualified Sherwin Williams PXLE-80 and International Interfine 979 polysiloxanes in Feb. 2010 as MIL-PRF-24635, Type V paints.
Qualified PPG/Ameron PSX-700 in May 2010.

3. Turn-key processes & qualified materials to use polysiloxanes on ships.
May 2010, USS BOXER (LHD-3) coated with polysiloxane.



Coating inspection – August 2009
Silicone Alkyd on wiper turning pink

Qualified siloxane on USS KEARSAGE (LHD-3)

No measurable color change after 17 months.