



## DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND  
1333 ISAAC HULL AVE SE  
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

4123

Ser 05S/2010-123

**MAY 21 2010**

PPG Protective & Marine Coatings  
11605 Vimy Ridge Rd  
Alexander, AR 72002-1625

Attention: Paul Whitehead

Ladies and Gentlemen:

SUBJECT: QUALIFICATION APPROVAL OF PPG's "PSX 700" COATING  
SYSTEM UNDER MIL-PRF-24635E

Based on the results of laboratory testing documented in Naval Research Laboratory (NRL) Letter Report Ser 6130/6107, and successful shipboard demonstration documented in NRL Letter Report Ser 6130-0920, your "PSX 700" coating system meets the requirements of MIL-PRF-24635E, "Coating Systems, Weather-Resistant, Exterior Use", Type VI, Class 2, Grade B.

Qualification approval is hereby granted to "PSX 700", Type VI, Class 2, Grade B coating system. Type VI coatings are high durability with VOC not greater than 100 g/L (0.83 lb/gal). Therefore, qualification approval is also being extended to "PSX 700" as a Type V (VOC not greater than 250 g/L (2.08 lb/gal), Class 2, Grade B.

Based on your certification of April 28, 2010 that the formulation of the PSX 700 has not changed since the product was subjected to the submarine materials review referenced in Navy Environmental Health Center (NEHC) Letter Ser IH17/000808, enclosure (1) of July 18, 2006, the Navy feels that the PSX 700 coating system can be safely used.

Qualification of your products are subject to the conditions stated in enclosure (2). Qualified Products List QPL-24635 will be updated accordingly to reflect the addition of your "PSX 700" coating system as shown on page 2 of this letter. Your product is approved to be manufactured at the plants referenced in the table shown on page 2 of this letter.

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GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND ADDRESS
Type VI Class 2 Grade B	PSX 700	NRL Ltr Ser 6130-6107 NRL Ltr Ser 6130-0920 (USS PONCE) (LPD-15); NEHC Ltr Ser IH17/000808 of 7/18/2006	PPG Protective & Marine Coatings 11605 Vimy Ridge Road Alexander, AR 72002 <b>CAGE: 07FX1</b> Plants: 11605 Vimy Ridge Road Alexander, AR 72002 <b>CAGE: 07FX1</b> Tweemontstraat 104 Deurne B-2100 Belgium <b>CAGE: B0478</b>
Type V Class 2 Grade B	PSX 700	NRL Ltr Ser 6130-6107 NRL Ltr Ser 6130-0920 (USS PONCE) (LPD-15); NEHC Ltr Ser IH17/000808 of 7/18/2006	PPG Protective & Marine Coatings 11605 Vimy Ridge Road Alexander, AR 72002 <b>CAGE: 07FX1</b> Plants: 11605 Vimy Ridge Road Alexander, AR 72002 <b>CAGE: 07FX1</b> Tweemontstraat 104 Deurne B-2100 Belgium <b>CAGE: B0478</b>

Technical questions regarding this letter should be directed to the technical point of contact, Mr. Mark Ingle, who can be reached by phone at (202)781-3665 or by email at

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mark.w.ingle@navy.mil. Administrative questions should be directed to Ms. Cheryl Turner by phone at (202)781-3734 or by email at cheryl.a.turner@navy.mil.

Sincerely,



W. P. LUNDBLAD  
CAPT, U.S. Navy  
Naval Systems Engineering  
Directorate, SEA 05S

Enclosures: 1. NEHC Letter Ser IH17/000808 of July 18, 2006  
2. Conditions Under Which Qualification is Granted

Copy to: General Services Administration (R. Schober)



DEPARTMENT OF THE NAVY  
NAVY ENVIRONMENTAL HEALTH CENTER  
620 JOHN PAUL JONES CIRCLE SUITE 1100  
PORTSMOUTH VA 23708-2103

8282

Ser IH17/000808  
18 JUL 2006


From: Commanding Officer, Navy Environmental Health Center  
To: Commander, Naval Sea Systems Command, (SEA 05Z93, Mr. R. Hagar),  
1333 Isaac Hull Avenue SE, Stop 5122, Washington Navy Yard, DC 20376-5122  
Via: Chief, Bureau of Medicine and Surgery (MED M34)

Subj: SUBMARINE MATERIALS REVIEW: COATING SYSTEMS (AMERCOAT 236  
AND PSX 700)

Ref: (a) PHONCON NAVENVIRHLTHCEN J.T. Pierce/NAVSEASYSKOM R. Hagar  
of 17 Apr 06  
(b) NASA White Sands Test Facility Report Number 06-40371 of 17 Apr 06

Encl: (1) Submarine Materials Toxicologic Review of Two Coating Systems  
(Amercoat 236 and PSX 700)

1. Pursuant to reference (a), the Submarine Materials Review Board (SMRB) has conducted a toxicological safety evaluation of two coating systems labeled as Amercoat 236 (Haze Gray Resin and Clear Cure) and PSX 700 (Resin and Cure). Hereafter, these will be referred to as the epoxy primer undercoat and siloxane topcoat systems, respectively. These systems will be applied to the D5 Ballast Can and Core.
2. Chemical emissions (reference (b)) and toxicity data suggest these coating systems can be safely used given the limitations imposed by enclosure (1). Overcoat and touch-up painting should be restricted to that conducted at manufacturing or refit facilities. Historically, similar epoxy-based and topcoat systems have been assigned by NAVSEA to its Limited Use category.
3. If you need additional information, please contact Mr. H.C. Zedd, via telephone at DSN: 377-0726, Commercial 757-953-0726, by FAX at 757 953-0689, or by e-mail at hczedd@mar.med.navy.mil.

  
J.T. Pierce  
By direction

Copy to:  
BUMED (M33)

Enclosure (1)

## CONDITIONS UNDER WHICH QUALIFICATION IS GRANTED

The listing of your product on the Qualified Products List does not guarantee acceptance of the product in any future purchase nor does it constitute a waiver of the requirements of the specification or the provisions of any contract.

Any use of the listing for publicity, advertising, or sales will not state or imply that the product or the process is the only one of that type so qualified, or that the government in any way recommends or endorses the manufacturer's product in preference to other qualified products. (Violation cause for removal from the list.)

Listing applies only to products produced in, or process used in, the plant specified in the letter of notification. The listing is effective at 8:00 a.m. (Local time of the qualifying activity) as of the date of the letter of notification.

Listing applies to amendments or revisions of the specification, unless otherwise notified.

Listing applies only to products or processes identical to those qualified (or to products defined in the family of products granted qualification coverage). The qualifying activity must be advised in advance of any intended change to a qualified product or process and must be provided with complete description of the change. Failure to notify the qualifying activity of any change is cause for removal from the listing regardless of the extent of the change.

Enclosure (2)