

NAVSEA  
STANDARD ITEM

FY-06

ITEM NO: 009-32  
DATE: 29 JUL 2004  
CATEGORY: II

1. SCOPE:

1.1 Title: Cleaning and Painting Requirements; accomplish

2. REFERENCES:

2.1 Standard Items

2.2 S9086-VD-STM-010/020/030/CH-631, Preservation of Ships in Service |

2.3 S9086-VG-STM-010/CH-634, Deck Coverings

2.4 ASTM F718, Shipbuilders and Marine Paints and Coatings  
Product/Procedure Data Sheet

2.5 29 CFR 1915, Occupational Safety and Health Standards for Shipyard  
Employment, Subparts C and Z

2.6 Systems and Specifications, Steel Structures Painting Manual, Volume  
2

2.7 NACE Book of Standards

2.8 ASTM D4417, Standard Test Methods for Field Measurement of Surface  
Profile of Blast Cleaned Steel

**2.9 ISO 8502-3, Assessment of Dust on Steel Surfaces Prepared for  
Painting (Pressure Sensitive Tape Method)**

2.10 S9086-CN-STM-020/CH-79, Damage Control - Practical Damage Control |

2.11 S9086-RK-STM-010/CH-505, Piping Systems

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.1 for coating system  
applications in the following tables **for areas listed in 3.4:**

TABLE      LINE

One	All
2	One through 4, 6 through <b>11, 15, 16,</b> and <b>18</b> through <b>21</b>
3	<b>11</b> through <b>29, 31 through 37,</b> and <b>49</b> through <b>71</b>
4	All

3.2 Provide a written notice to the SUPERVISOR and the Commanding Officer's designated representative of potential exposure of personnel to toxic or hazardous substances.

3.2.1 Post the notice at the ship's Quarterdeck or other designated location for each job or separate area at least **4** hours, but not more than 24 hours, prior to the start of work. The notice shall contain the following information:

- 3.2.1.1 Ship's name and hull number
- 3.2.1.2 Work Item number
- 3.2.1.3 Compartment or frame number
- 3.2.1.4 Identification of hazard
- 3.2.1.5 Date and time of work process
- 3.2.1.6 Identification of engineering and work practice

controls

3.2.2 Deliver notification of work planned over a weekend or Monday following that weekend to the Commanding Officer's designated representative not later than 0900 on the Friday immediately preceding that weekend.

3.2.3 Deliver notification of work planned on a federal holiday and on the day following the federal holiday to the Commanding Officer's designated representative not later than 0900 on the last working day preceding the federal holiday.

3.3 Submit material certification of abrasive blast media conforming to MIL-A-22262 **or A-A-1722** prior to blasting. The abrasive blast medium must be listed on the Qualified Products List (QPL), or have written notification from NAVSEA indicating QPL approval.

3.3.1 Spongejet **media and process** may be used as an alternative to **obtain SSPC-SP-10 or SSPC-SP-11 cleanliness.**

**3.3.2 Recyclable ferrous metallic abrasive materials conforming to AB-3 of 2.6 may be used as an abrasive blast media for steel substrates.**

3.3.2.1 Cleanliness of recyclable ferrous metallic abrasive materials shall be measured and maintained in accordance with the requirements of AB-2 of 2.6.

3.3.2.2 Submit one legible copy, in hard copy or electronic media, of the results of the quality control requirements of Paragraph 6 of AB-2 and quality assurance test required by Paragraph 5 of AB-3.

3.4 Record and maintain *in-process* records as blasting, painting, inspections, and tests are being accomplished. Provide a hard copy to the SUPERVISOR at the conclusion of each evolution involving (G) points by the end of the work shift or prior to the start of the next evolution requiring documentation, whichever is sooner, for preservation of the following critical coated areas. These records shall be in accordance with Section 11 of 2.2 and Paragraph 634-3.35 of 2.3, and shall include 3.4.1 through 3.4.9:

<u>SURFACES</u>	<u>TYPE OF SUBSTRATE</u>
Freeboard	Steel and aluminum
Hangar, flight, catapult, and vertical replenishment decks	Steel and aluminum
AFFF station decks and coaming	Steel and aluminum
Chain lockers	Steel and aluminum
RAST track trough	Steel and aluminum
Interior surfaces of intake vent plenums, defined as combustion air intakes (gas turbine, diesel, and steam) and other vent system intake plenums with openings greater than 7 square feet	Steel and aluminum
Uptake spaces	Steel and aluminum
Tanks (including sumps)	Steel and aluminum
Voids	Steel and aluminum
Cofferdams	Steel and aluminum
Well deck overheads	Steel and aluminum
Bilges	Steel and aluminum
Underwater hull surfaces (including capastic shields)	All

3.4.1 Surface preparation method, including name of abrasive and QPL 22262 revision number from which the product was purchased, or copy of NAVSEA product approval letter and surface profile readings

3.4.2 Ambient and metal surface temperatures, relative humidity, and dew point at 4-hour intervals, unless otherwise specified in 2.2 or 2.3 during preservation process. Information for environment shall be recorded from conditions on-site, in close proximity to the structure.

3.4.3 Name of paint/non-skid, manufacturer, batch number, and date of manufacture and expiration, including original manufacturer's certificate of compliance and material conformance test data in accordance with Section 11 of 2.2

3.4.4 Material safety data sheets and 2.4 for each proprietary coating used

3.4.5 Surface conductivity

3.4.6 Elapsed time between coats

3.4.7 Dry film thickness (DFT) for the total system

3.4.8 Name and type of spray equipment utilized

3.4.9 Record temperature of paint and non-skid storage 24 hours in advance of use. Temperature shall be maintained within the limits specified in 2.2 and 2.3 and shall be recorded once per shift during the 24-hour period prior to use.

3.4.10 Submit one legible copy, in hard copy or electronic media, of recorded ***in-process*** information on QA Checklist Forms 631-12.5 of 2.2 (see 4.7) and Figure 634-3-25 of 2.3 to the SUPERVISOR ***within 24 hours of completion of preservation of each separate location identified in the invoking*** Work Item.

3.4.11 Submit one legible copy, in hard copy or electronic media, of the manufacturer's warranty documents to the SUPERVISOR when specified in the Job Order.

3.5 Consider marine coatings to contain heavy metals (e.g., lead, cadmium, or chromium), hexavalent chromium, crystalline silica and/or other toxic or hazardous substances.

**3.5.1** Submit one legible copy, in hard copy or electronic media, of ***the written rationale*** when no personnel monitoring ***will be*** conducted, ***providing*** the basis for ***the*** decision not to engage in personnel monitoring to the SUPERVISOR, prior to the disturbance of coatings.

**3.5.2** Submit one legible copy, in hard copy or electronic media, of the laboratory analysis listing results of personnel monitoring to the SUPERVISOR within 10 working days of any such testing.

3.6 Accomplish preservation operations in accordance with the following:

**(I)** or (I) (G) "ENVIRONMENTAL READINGS" (See 4.4)

3.6.1 Ambient and metal surface temperatures, relative humidity, and dew point at a minimum of **4**-hour intervals during the preservation process shall be recorded from conditions on-site, in close proximity to the structure being coated.

**3.6.1.1 These environmental readings shall be taken from 48 hours prior to, to 48 hours after, the application of a coat of paint. For potable and feedwater tanks, environmental readings shall be taken from the start of surface preparation to 7 days after application of the final coat.**

3.6.2 Coatings, **with the exception of non-skid**, applied on areas listed in 3.4 shall be applied only when the temperature of the prepared substrate is greater than 50 degrees Fahrenheit and a minimum of 5 degrees Fahrenheit above the dew point.

3.6.2.1 International Interbond 998, Alocit 28.15, and all MIL-PRF-23236, Type VII, Class 17 products, are exempt from dew point and relative humidity requirements.

**(I)** or (I) (G) "CLEANLINESS" (See 4.4)

3.6.3 Accomplish degreasing/cleaning **a maximum of 4 hours prior to surface preparation** to ensure removal of surface contaminants, such as sea salts, loose rust, **dust**, mud, marine growth, grease, oil, and other petroleum products.

3.6.3.1 If evidence of contamination exists, accomplish degreasing/cleaning a maximum of 4 hours prior to application of each coat of paint to ensure removal of surface contaminants.

3.6.4 Accomplish the safety precautions as specified in 2.2, 2.5, and the Job Order during surface preparation and the application or removal of marine coatings.

3.6.5 Painters and coating inspectors shall be certified in accordance with Section 11 of 2.2.

3.6.5.1 Companies performing preservation of areas listed in 3.4 shall be certified in accordance with QP-1 of 2.6.

3.6.5.2 Plural Component Pump Tenders and Coating Applicators shall be certified in accordance with SSPC Marine **Plural Component** Applicator Certification (PCAC), or NAVSEA 05M approved equivalent.

3.6.6 For areas listed in 3.4, blasters shall be certified in accordance with SSPC-C-7 or NAVSEA 05M approved equivalent, and Section 11 of 2.2.

3.6.7 Select the specific requirements of 2.2, 2.3, 2.6, and 2.7 for determining the type of surface preparation required and coating system options that are available for use in accomplishing the work specified unless otherwise directed in the Work Item.

3.6.8 For non-skid coatings, **requirements** outlined in Paragraph 634-3.27 of 2.3 **shall** be followed.

3.6.8.1 Companies performing non-skid application shall be certified in accordance with QP-1 of 2.6.

3.6.9 Limit surfaces being prepared for preservation in size to an area which can be coated prior to the occurrence of flash rusting and/or oxidation. Remove any flash rust prior to painting, except as follows:

3.6.9.1 Surfaces cleaned by waterjetting shall meet the applicable Standard for flash rust.

3.6.9.2 Detergents and inhibitors shall not be used in the waterjetting water without written approval from the coating manufacturer and the SUPERVISOR.

3.6.10 For steel and aluminum plates, shapes, and ferrous piping, abrasive blast equal to NACE 2/SSPC-SP-10 of 2.6 and 2.7, with a surface profile that meets the requirements of 3.6.18, and prime, prior to shipboard installations except in the areas where weld joints remain to be accomplished, or unless specified otherwise in the invoking Work Item. **Non-ferrous piping, which is to be preserved shipboard, shall be hand tool (non-impact tools only) cleaned in accordance with SSPC-SP-2 of 2.6. Preservation of non-ferrous piping one inch or less does not require preparation.**

3.6.11 For touch up, disturbed, and/or inaccessible areas, the minimum surface preparation shall be that shown in the applicable Tables, except that an SSPC-SP-11 is acceptable for areas originally requiring an NACE 2/SSPC-SP-10 or NACE 5/SSPC-SP-12.

3.6.11.1 Touch-up is defined within this Standard Item as preservation operations on cumulative surface areas less than one percent of the total area being preserved, with no individual area greater than 10 square feet. Included under touch-up operations are new and disturbed areas of less than 10 square feet. The requirements of 3.1, 3.4, 3.6.1, 3.6.3, 3.6.18, 3.6.19, 3.8.8, 3.14, and 3.15 are waived for these touch-up areas. Paragraph 3.6.20 (surface preparation) shall be verified by the accomplishing activity as (I) inspections prior to coating applications. This waiver does not apply to potable or feedwater tanks; no requirements shall be waived for the touch up of potable or feedwater tanks.

3.6.11.2 Disturbed areas are defined as any surface that requires cleaning and/or painting due to existing paint finish being damaged in the accomplishment of work specified by the Job Order.

3.6.11.3 Closure plates/hull accesses and their associated welds will not be considered a disturbed surface and shall be cleaned and painted by the applicable table. Deviations to the requirements may be

authorized by the SUPERVISOR based on size, location, application, or severity of condition of coating system being applied.

**3.6.11.4 Although spot repair, partial preservation, and full preservation are different in the proportions of area being preserved, each shall meet the requirements stated in this document as if full preservation were being done.**

**3.6.11.5 Spot repair is defined as a small, localized area being preserved that is greater in size than what is defined as touch-up.**

**3.6.11.6 Partial preservation is defined as preservation of a section of an entire space or location.**

**3.6.11.7 Full preservation is defined as preservation of an entire space or location.**

3.6.12 Feather edges of well-adhered paint remaining after cleaning for all surface preparation methods.

3.6.13 Clean, prior to painting, insulation and lagging free of foreign matter and contaminants that would prevent adherence of paint.

3.6.14 Clean and dry prepared and previously painted surfaces free of foreign matter which will affect adherence of paint coatings. Inclusions such as dust and debris in the paint film shall be removed prior to the application of the next coat.

3.6.15 Remove foreign matter and debris resulting from cleaning operations.

3.6.16 Record and restore existing painted labels, compartment designations, hull markings, and other painted information which will be removed or covered during cleaning and painting operations.

3.6.17 Install masking material for protection of equipment and items not to be painted during preservation. Shipboard items not to be painted are listed in Paragraphs 631-8.22 of 2.2.

**(I)** or (I) (G) "SURFACE PROFILE" (See 4.4)

3.6.18 Following blasting or waterjetting operations, surface peak-to-valley profile must be checked. Five profile readings shall be taken for the first 1,000 square feet (with a minimum of 5 profile readings taken); for each additional 1,000 square feet, 2 profile readings shall be taken. Each group of profile readings shall average 2 to 4 mils, with no reading less than one mil nor more than 5 mils. If such profile is not present, proper profile must be established. Profile readings shall be taken in accordance with Method C of 2.8.

3.6.18.1 When surface profile requirements of the manufacturer's instructions are greater than that specified in this item, they shall supersede this item.

3.6.18.2 Waterjetting will not establish a profile. If this method is employed and a profile does not exist or is insufficient to meet the requirements, the contractor will still be required to establish **sufficient** profile.

3.6.18.3 Spongejet may not establish a sufficient profile. If this method is employed and the profile is insufficient to meet the requirements, the contractor will still be required to establish sufficient profile.

3.6.18.4 Following power tool cleaning to SSPC-SP-11, surface profile shall be checked. Five profile readings shall be taken for the first 1,000 square feet (with a minimum of 5 profile readings taken); for each additional 1,000 square feet, 2 profile readings shall be taken.

(I) (G) "CONDUCTIVITY MEASUREMENT"

3.6.19 Accomplish conductivity measurements for the Tables and Lines listed in 3.1.

3.6.19.1 Accomplish surface conductivity checks using available field or laboratory test equipment on the freshly prepared surface. Five determinations shall be conducted every 1,000 square feet. Areas less than 1,000 square feet shall have **5** determinations made. For immersed applications, such as tanks and bilges, conductivity measurements shall not exceed 30 microsiemens/cm. For non-immersed applications, conductivity measurements shall not exceed 70 microsiemens/cm. Samples shall be collected using the Soluble Salt Conductivity Measurement According to Bresle Method or approved equivalent. If conductivity measurements exceed the respective values, water wash the affected areas with fresh water. Dry the affected areas and remove all standing water. Accomplish surface conductivity checks on affected areas. Repeat step until satisfactory levels are obtained.

3.6.19.2 Accomplish the requirements of 3.6.19 and 3.6.19.1 within 4 hours prior to application of each coat of paint, if evidence of contamination of the surface exists.

(I) or (I) (G) "SURFACE PREPARATION" (See 4.4)

3.6.20 Verify surface preparation for the coating systems specified in Tables One through 5 in accordance with 2.2 through 2.4, 2.6, and 2.7.

**3.6.20.1 Surface cleanliness for dust shall meet Rating 1, Class 2, of 2.9.**

3.7 Store paint in a cool, dry place, do not expose to freezing temperatures or direct sunlight, and in accordance with manufacturer's



instructions. Storage of non-skid coatings shall be in accordance with Table 634-3-6 of 2.3.

3.8 Coating systems shall be applied in accordance with the applicable tables and 2.2. Paints shall not be thinned.

**3.8.1 A tack coat is defined as a layer of paint with a reduced film thickness (e.g., 1-2 mils, vice 5 mils); it does not imply to add thinner.**

3.8.2 When using 2-part coating systems (epoxies and polyurethanes), use of "partial kits" is prohibited unless using verified proportioning equipment or other verified measuring equipment (gravimetric).

3.8.3 For commercial underwater hull coating systems including anti-corrosive paints and anti-fouling paints, the manufacturer's primer must be used with his anti-fouling coating. No substitution is allowed.

3.8.3.1 Successive coats of anti-corrosive paints shall be of a contrasting color.

3.8.4 Utilize water-based latex fire retardant paints in preference to chlorinated alkyd based fire retardant paints. Such paints are available under MIL-PRF-24596 or a Naval Sea Systems Command (NAVSEA) approved product (Formula 25A). Accomplish the surface preparation and coating application requirements of 2.2 when using water-based paints.

3.8.5 Apply the first coat of MIL-P-15931 (Formulas 121/129) or MIL-PRF-24647 anti-fouling paint when the last coat of epoxy paint is still slightly tacky (approximately 4 to 6 hours after paint application) and in accordance with 2.4. Tacky is defined as that curing (drying) stage when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger. If the epoxy is hard (usually 8 hours after application), apply a tack coat of epoxy paint one to 2 mils wet film thickness (WFT) over previously painted surfaces. The tack coat shall be allowed to cure (dry) to when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the system.

3.8.6 Mix and apply the approved proprietary coatings in accordance with manufacturer's instructions, except for requirements when invoked for surface preparation and minimum DFT as specified in Tables One through 5. The requirements of 3.8.5 also apply to manufacturers' proprietary coatings.

3.8.7 Mix and apply the Navy Polyamide Epoxy MIL-DTL-24441 coatings in accordance with the following, except the DFT shall be as specified in Tables One through 5. The MIL-DTL-24441 coatings mixing ratio is one-to-one by volume. The components of the various formulas are not interchangeable. Blend each component thoroughly prior to mixing the components. After mixing equal volumes of the 2 components, the mixture must be thoroughly stirred.

For Type III only, the stand-in times listed below must be observed. **There is no induction time for Type IV.**

3.8.7.1 Stand-in time (induction time) is defined as the time immediately following the mixing of the components A and B during which the critical reaction period of these components is initiated and is essential to the complete curing of the coating. During stand-in time the mixture must be thoroughly stirred at least once every 20 minutes to avoid hot spots caused by localized overheating from the chemical reaction.

<u>Surface Temperature at Job Site (Degrees Fahrenheit)</u>	<u>Stand-In Time in Hours</u>
35 to 50	2 hours at 70 degrees Fahrenheit (paint temperature)
50 to 60	2 hours at job site temperature
60 to 70	One hour to 1-1/2 hours at job site temperature
70 and Above	1/2 to one hour at job site temperature

**(I)** or (I) (G) "STRIPE COAT INSPECTION" (See 4.4)

3.8.8 For all areas where stripe coating is required, as denoted in Tables **One through 5**, apply stripe coat to edges, weld seams, welds of attachments and appendages, cutouts, corners, butts, foot/handholds (including inaccessible areas such as back side of piping, under side of I-beams), and other mounting hardware (non-flat surface) in accordance with 2.4. Stripe coat these areas after the prime coat has dried. Stripe coating applied shall be neat in appearance, minimizing extra thickness applied to edges as well as streaks and drops of paint. The stripe coat shall encompass all edges as well as at least a one-inch border outside each edge and weld.

3.8.8.1 Each stripe coat shall be of the specified paint system and shall be a different color from both the paint over which it is being applied and the next coat in the system (if a product only comes in 2 colors, the stripe coat shall contrast with the color of the previous coat). First coat inspection shall be conducted prior to stripe coat application.

3.8.9 Drying time between coats of specified coating for potable and feedwater tanks shall be a minimum of 48 hours at a minimum temperature of 70 degrees Fahrenheit, using heated air if necessary to maintain temperature. Ventilation shall be sufficient to ensure continuous flow of air through the tanks with at least one complete air change every **4** hours. Mixing and stand-in times (induction times) shall be in accordance with manufacturer's instructions.

3.8.10 Following coating applications, potable and feedwater tanks shall be continuously ventilated for at least **7** consecutive days prior to filling with water. Maintain a **minimum** temperature of 70 degrees Fahrenheit

within the tanks. Ventilation shall ensure continuous flow of air with a minimum of one complete air change every **4** hours. Verify and document daily that ventilation is properly installed and running.

3.8.10.1 Freshly painted potable water tanks shall be rinsed at least twice with fresh water to ensure cleanliness of tank.

3.9 Prior to application of any solvent-based alkyd coating, such as MIL-PRF-24635, over an epoxy coating, allow epoxy to dry until it is no longer tacky (as defined in 3.8.5). It shall be dry to the touch but not fully cured before overcoating with any solvent-based alkyd coating.

3.10 Prior to application of any water-based coating, such as MIL-PRF-24596, over an epoxy coating, allow epoxy to dry at least 16 hours before overcoating with any water-based coating.

3.11 Overcoating of MIL-DTL-24441 with MIL-DTL-24441:

3.11.1 If less than 7 days has elapsed since the application of the prior coat, the next coat may be applied after visual inspection to confirm the absence of grease, dirt, salts, or other surface contaminants. If surface contamination is suspected as a result of visual inspection or for other reasons, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse sufficient to remove all detergent and contaminants. The next coat of MIL-DTL-24441 shall be applied after surfaces are completely dried.

3.11.2 If more than 7 days but less than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash followed by a fresh water rinse sufficient to remove all detergent and contaminants. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the system. This condition can only be met one time during the painting system application.

3.11.3 If greater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse sufficient to remove all detergent and contaminants. After allowing the surface to dry, the surface shall be lightly abraded to degloss the epoxy, using a brush-off abrasive blast (preferred), power sanding, or hand sanding using 80-120 grit, then apply the next full coat of the system.

3.12 Intentionally left blank.

3.13 Overcoating of non-MIL-DTL-24441 epoxy coatings:

3.13.1 Follow the manufacturer's direction for the allowable overcoat window, not to exceed 30 days. The 30-day maximum may be extended beyond 30 days if specifically approved in writing by NAVSEA. Where the base coat and topcoat are provided from different manufacturers, the term "manufacturer" refers to the manufacturer of the base coat. A tack coat shall not restart the 30-day window.

3.13.1.1 If either the manufacturer's recommendation or the 30-day window (or a specific extension approved by NAVSEA) has been exceeded, the coating shall be reactivated by either following the manufacturer's recommendation for re-activating the surface or cleaning the entire surface using a fresh water and detergent wash, followed by a fresh water rinse sufficient to remove all detergent and contaminants. After allowing the surface to dry, the surface shall be lightly abraded to degloss the epoxy, using a brush-off abrasive blast (preferred), power sanding, or hand sanding using 80-120 grit.

3.13.2 Comply with the time requirements of 2.3 for application of non-skid over primer coat.

**(I)** or (I)(G) **"DRY FILM THICKNESS"** (See 4.4)

3.14 Measure DFT of each coat applied for the coating systems listed in Tables One through 5. ***This includes any stripe coats.***

3.14.1 When measuring full coats to determine total system thicknesses denoted in Tables One through 5, DFT readings shall not be taken in areas where stripe coatings have been applied.

3.14.2 DFT readings for each coat shall be taken in accordance with Method PA-2 of 2.6.

3.14.2.1 WFT readings are required in lieu of DFT readings for any coat that must be in a tacky state (as defined in 3.8.5) when the next coat is applied. Refer to film thickness conversion table in 2.6. WFT equals DFT divided by percent solids by volume (when percent solids by volume is expressed as a decimal, i.e., 60 percent equals 0.60).

***3.14.3 A WFT gage shall be used to verify the application of proper paint thickness for the primer coat of all coating systems listed in Tables One through 5. Readings shall be taken to confirm this, but need not be recorded.***

3.14.4 For underwater hull paint systems, record a minimum of 30 DFT readings per 1,000 square feet. Baseline DFT readings of underwater hull paint system shall be taken after final coat is applied and Quality Assurance spot readings in accordance with 2.6 are completed.

3.14.5 Apply an additional coat of any single coat of a multiple coat system when that coat measures less than its specified DFT. Multiple coats shall be of contrasting color. DFT of each coat, including an

additional coat if applied, shall not exceed the specified maximum thickness for each coat.

(I) (G) "HOLIDAY INSPECTION"

3.15 Perform a visual holiday check on each coat of the system for areas listed in 3.4. Any holiday found shall be marked and touched up.

3.15.1 Remove masking material and paint overspray after cleaning and painting operations are completed.

#### 4. NOTES:

4.1 Thicknesses specified in Tables One through 5 are DFT and are minimum requirements, unless otherwise specified.

4.2 Total DFT encountered during removal may exceed specified table thicknesses.

4.3 Total removal of ablative coating is not required in accordance with Paragraph 631-5.2.3.3 of 2.2. The Work Item will specify the degree of removal.

4.4 The paragraphs referencing this note are considered an (I) (G) if the inspection/test is on a critical surface as listed in 3.4. If the inspection/test is not on a critical surface as listed in 3.4, then the paragraph is considered a *(I)*. ***These inspection point requirements also apply to build-up coats to obtain proper millage.***

4.5 The word "new" in "new and disturbed surfaces" refers to all material installed on the ship by the contractor regardless of source.

4.6 Structural requirements of Notes (23) and (24) will be addressed by the invoking Work Item.

4.7 QA Checklist Forms referred to in 3.4.10 are invoked by Advance Change Notice 7A to 2.2.

4.8 Preservation Process Instructions (PPIs) provide detailed instructions and procedures for specific ship preservation evolutions to include safety precautions, surface preparation, selection of appropriate coating systems, and third-party quality assurance check points. See new Section 12 of 2.2 for details. Section 12 is provided in ACN 5A (Control Number N00024-00-FJB25).

***4.9 SSPC training information can be found at <http://www.sspc.org>.***

***4.10 Table One is for underwater hull areas. Table 2 is for exterior areas. Table 3 is for interior spaces. Table 4 is for tanks and voids. Table 5 is for miscellaneous areas.***

NOTES OF TABLES ONE THROUGH 5

- (1) **Use Sherwin Williams P23RQ62/P23VQ80 in lieu of P23RQ82/P23VQ80 and use P23AQ61/P23VQ80 in lieu of P23AQ81/P23VQ80 for cold weather applications below 50 degrees Fahrenheit. Do not apply coating below 35 degrees Fahrenheit without approval of the SUPERVISOR.**
- (2) Boottop - The boottopping is defined as the black area from minimum load waterline at which the ship is expected to operate to 12 inches above the maximum load waterline. The black paint is an anti-fouling paint conforming to MIL-PRF-24647 for a 5-year, 7-year, or 10 to 12-year service life, or MIL-P-15931 for 2-year service life. Haze gray shall be carried to the black anti-fouling paint which marks the upper boottop paint. **Do not apply the black anti-fouling paint over haze gray MIL-PRF-24635.**
- (3) Ameron Amercoat 235 can be used for cold weather application below 40 degrees Fahrenheit. Apply at 5 mils DFT (minimum) per coat. Do not apply coating below 35 degrees Fahrenheit without approval of the SUPERVISOR.
- (4) Use International FCA 321 in lieu of FPA 327, or KHA414 in lieu of KHA062, for cold weather application below 50 degrees Fahrenheit. Do not apply coating below 35 degrees Fahrenheit without approval of the SUPERVISOR.
- (5) Use Hempel Hempadur 4514U in lieu of 4515 for cold weather applications below 50 degrees Fahrenheit. Do not apply coating below 35 degrees Fahrenheit without approval of the SUPERVISOR.
- (6) A minimum of 24 hours drying time shall be allowed after last coat prior to undocking.
- (7) To ensure a continuous primer base, areas adjacent to those being coated with proprietary primer and non-skid listed on QPL's for MIL-PRF-24667 shall be coated with the same primer and compatible topcoat.
- (8) These systems shall also be invoked for catapult wing voids and catapult exhaust blowdown trunks.
- (9) DOD-E-24607, chlorinated alkyd, may also be used. MIL-PRF-24596, Type I, Grade C, Classes 1 and 2, or DOD-E-24607 must be used if surface and ambient temperature are less than 50 degrees Fahrenheit.
- (10) The "inner shield" is defined as the portion of the capastic shield that extends 3 ft. from the anode in all directions. The "outer shield" is defined as the portion of the capastic shield from the inner shield to a distance of 6 ft. from the anode. Repair of the inner shield area is required when total deteriorated inner shield surface area is from 0 to 2 percent, and no single spot is greater than one square foot. Repair of the outer shield area is required when total deteriorated outer

NOTES OF TABLES ONE THROUGH 5  
(Con't)

shield surface area is from 0 to 10 percent, and no single spot is greater than one square foot. Replacement (new installation) of the entire capastic shield is required when either of the above criteria is exceeded (damage to the inner shield is greater than 2 percent, OR damage to the outer shield is greater than 10 percent, OR any single spot damage is greater than one square foot).

- (11) The following steps shall be used for repair/replacement of capastic shields. Ensure QA checkpoints are conducted in accordance with 3.4.
- a. Protect surrounding area from damage. Mask anode surfaces with heavy cardboard or plywood.
  - b. Abrasive blast.
  - c. For repair, areas of undamaged capastic shall be roughened and feathered into the bare metal areas to provide a profile for adhesion of the new capastic. Feather edges at least 1 inch using power tools or hand sanding. To prevent fracturing of shield, do not feather using abrasive blasting.
  - d. The capastic material shall be mixed, applied, and cured in accordance with manufacturer's instructions.
  - e. The capastic should be faired in and made smooth from the anode for a distance of at least 10 inches to minimize hull turbulence.
  - f. After the capastic has cured, sanding shall be accomplished to smooth any rough areas and to degloss the surface for the Anticorrosive to be applied over it.
  - g. During visual inspection, ensure anode surfaces are undamaged and free of paint and capastic.
  - h. The anode should remain covered with heavy cardboard or plywood to prevent damage or contamination by the ship's underwater hull coating system until just before undocking.
- (12) These systems may also be invoked for preservation of decks in spaces that are prone to wear and do not receive deck covering.
- (13) Anchors below lower boottopping limit shall be painted in accordance with normal underwater hull anti-corrosion/anti-fouling system.
- (14) For MCM, and MHC ships, use black walnut shells for abrasive blast media.

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- (15) Anchor chain and detachable links shall be marked and color coated in accordance with NSTM Chapter 581 unless otherwise directed by the Work Item.
- (16) Apply one mist coat (1-2 mils) of Ameron PSX 700 after blast and prior to remaining coats where invoking Work Item requires anchor chain inspections prior to preservation.
- (17) Colors shown in Tables 631-8-13 and 631-8-14 of 2.2, shall be specified by TYCOM or ship's Commanding Officer in accordance with Chapter 631-8.23.4.
- (18) Restore each compartment marking in accordance with **2.10** and **2.11**.
- (19) MIL-PRF-24667 non-skid systems shall be applied as complete systems (primer, intermediate coat when MIL-PRF-24667, Type III, coatings are invoked, non-skid, and color topping) from the same manufacturer except for the color topping. When a manufacturer does not have approved color topping, use another compatible manufacturer's color topping. MIL-PRF-24667, Type I, when required, shall be specified in the invoking Work Item. Boundaries of areas receiving non-skid not specified by specific ship's drawings shall be in accordance with 2.3.
- (20) Prior to accomplishing painting of wooden underwater hulls, allow the hull to dry to a moisture content of 15 percent. Readings shall be taken with an electronic moisture meter, Sovereign Moisture Master or equal. Cover grounding plates and zincs prior to painting.
- (21) Blasted surface metal must be degreased following walnut shell blasting. Even traces of residual oil will degrade coating adhesion. Appropriate safety precautions for working with flammable solvents must be enforced. Alternate procedure is a vigorous soap and water wash followed by pressurized fresh water rinse. Do not use a detergent and fresh water washdown when using aluminum oxide as an abrasive blast medium.
- (22) Peripheral deck edging and areas not receiving non-skid may substitute the manufacturer's color topping for MIL-PRF-24635.
- (23) For non-edge retentive coatings, radiusing of edges is recommended to ensure maximum service life. If edges are not radiused, the service life could be substantially reduced.
- (24) Deburring and grinding of weld spatter is recommended to ensure maximum service life. If weld spatter is not removed, the service life of the coating could be substantially reduced.



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- (25) Power impact tool cleaning using power-driven needle guns, chipping or scaling hammers, rotary scalers, single or multiple-piston scalers, or other similar impact cleaning tools shall not be utilized in the cleaning methods.
- (26) Maintain the relative humidity in the tank or void space at a maximum of 50 percent from the start of abrasive blasting to cure of the topcoat.
- (27) Finish coats for boats and craft shall be as specified in Paragraph 631-9.3.4 through 631-9.3.5 of 2.2 unless otherwise specified in the invoking Work Item.
- (28) Thermal insulation shall be soap and water cleaned and hand sanded.
- (29) Three coats of MIL-DTL-24441, Type III, at 3-4 mils per coat can be substituted for 2 coats of MIL-DTL-24441, Type IV, at 4-6 mils per coat, for total system DFT of 8-12 mils. Three full coats and 2 stripe coats of MIL-DTL-24441, Type III, at 3-4 mils per coat can be substituted for 2 full coats and 1 stripe coat of MIL-DTL-24441, Type IV, at 4-6 mils per coat, for total system DFT of 8-12 mils.
- (30) Grit blasting to near white metal is the preferred method of surface preparation. Only where grit blasting is not possible should power tool cleaning be used. Power tool cleaning should not be used for well deck areas frequently exposed to LCAC exhaust.
- (31) A low pressure (3,000 to 5,000 psi) fresh water washdown of the well deck area shall be performed before either grit blasting or power tool cleaning to remove dirt, oil, grease, salts, and loosely adherent coatings.
- (32) Upon completion of surface preparation, pH measurements must be taken. The pH must be in the range of 6.5 to 7.5. If it is not, the surface must be washed with fresh water until the required pH is obtained.
- (33) Runs, sags, and drips may appear in the coating due to its solvent-free nature and application properties. In the normal application of this product, the appearance of runs, sags, and drips is only superficial and is not detrimental to the coating system. In these cases, no action shall be taken. In cases where the conditions are determined to be detrimental (coating in excess of 50 mils DFT) to the effectiveness of the coating system, immediate action shall be taken. If the wet run, sag, or drip occurs on a dry surface, brush out the run, sag, or drip and reapply the prime coat directly over the brushed out area. If the run, sag, or drip has dried, then the affected area shall be scraped or mechanically removed and the prime coat shall be reapplied.
- (34) These systems may also be invoked for preservation of well deck bulkheads and decks.

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- (35) These systems shall also be invoked for barricade stanchions and wells, catapult jet blast deflector pits, and associated void spaces.
- (36) ***SSPC-SP-11 shall be the surface preparation method used, even if 2.4 has a more stringent requirement.***
- (37) Total DFT specified in Table 4 for potable water tanks shall not be exceeded except in isolated areas adjacent to shapes and stiffeners. In no case shall the maximum DFT be exceeded by 2 mils. The isolated areas shall be less than 2 percent of the total area.
- a. For touch-up or overcoating intact aged paint in good condition, the same requirements for each coat apply, and the total film thickness maximum requirement may be corrected to allow for thickness of underlying aged paint. Requirement is to avoid excess thickness in individual coats. High DFT resulting from the application of extra coats of paint is not considered to be a problem below 35 mils total DFT.
- (38) ***Maintain the relative humidity in the tank at a maximum of 85 percent from the start of abrasive blasting to cure of the topcoat. By allowing 85 percent vice 50 percent relative humidity, this will reduce the service life of the tank from 15-20 years to 10-12 years.***
- (39) Ameron Amercoat 892HS shall not be used for surfaces that exceed 700 degrees Fahrenheit.
- (40) Avoid excessive power wire brushing that results in a polished surface.
- (41) Apply **3** coats of a vapor barrier coating compound, MIL-PRF-19565, in contrasting colors (white-orange-white), to insulation within laundries, sculleries, galleys, drying rooms, and to insulation on the warm side of refrigerated stores spaces.
- (42) High temperature areas of exhaust pipe exteriors include BLISS caps, air eductors, and exhaust stacks.
- (43) In lieu of white, use Light Gray, Color No. 26373 (Low Solar Absorption only). In lieu of black, use Ocean Gray, Color No. 26173 (Low Solar Absorption only).
- (44) ***These systems shall also be invoked for Aircraft Electrical Servicing Stations (AESS) trunks.***
- (45) PCMS tile on the bow flares shall be painted with the same topcoat as the freeboard.
- (46) Intentionally left blank.

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- (47) The topcoats for ordnance/non-ordnance pyrotechnic locker sun shields shall be painted white (FED STD 595, Color No. 17875) **or as directed by NAVSEA.**

TABLE ONE STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS)  <b>UP TO 3 YEARS SERVICE LIFE</b>  FOR SMALL BOATS AND SERVICE CRAFT ONLY	1	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L	<b>TWO COATS AMERON AMERCOAT 385, 4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTE (3)			2 COATS F-121A, <b>2 - 3 MILS/COAT</b> , MIL-P-15931  SEE NOTES (2), (6), & (27)	2 COATS F-129A, <b>2 - 3 MILS/COAT</b> , MIL-P-15931  SEE NOTES (2), (6), & (27)	ONE COAT MIL-PRF-24635 LT GRAY, COLOR NO. 26373 (LOW SOLAR ABSORPTION ONLY) TO BOOTTOPPING & BELOW, <b>2 - 3 MILS</b>  ONE COAT COLOR NO. 26173 (FED STD 595) MIL-PRF-24635 OCEAN GRAY (LOW SOLAR ABSORPTION ONLY) ABOVE BOOTTOPPING, <b>2 - 3 MILS</b>
	2	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL FPL 274/FPA 327 RED, 4 - 6 MILS -- &amp; -- ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	3	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL INTERTUF 262-KHA303/KHA062 RED, 4 - 6 MILS -- &amp; -- ONE COAT INTERNATIONAL INTERTUF 262-KHA302/KHA062 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	4	SAME AS LINE ONE	<b>ONE COAT AMERON AMERCOAT 235 RED, 4 - 6 MILS -- &amp; -- ONE COAT AMERON AMERCOAT 235 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (3)			SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	5	SAME AS LINE ONE	<b>ONE COAT AMERON AMERCOAT 230 RED, 4 - 6 MILS -- &amp; -- ONE COAT AMERON AMERCOAT 230 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (3)			SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	6	SAME AS LINE ONE	<b>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 4 - 6 MILS -- &amp; -- ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 4 - 6 MILS, 10 MILS MIN</b>  <b>SEE NOTE (1)</b>			SAME AS LINE ONE - OR - 2 COATS SHERWIN WILLIAMS SEAGUARD MARINE N50R100, <b>2 - 3 MILS/COAT</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE - OR - 2 COATS SHERWIN WILLIAMS SEAGUARD MARINE N50B100, <b>2 - 3 MILS/COAT</b>  SEE NOTE (2) & (6)	SAME AS LINE ONE
	7	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL FPL 274/FPA327 RED, 4 - 6 MILS -- &amp; -- ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			ONE COAT INTERSLEEK 381 LIGHT PINK, BXA380/BXA381, <b>3 - 5 MILS -- &amp; -- ONE COAT INTERSLEEK 425 HAZE GRAY, BXA816/ BXA821/ BXA822 OR BLACK, BXA819/ BXA821/ BXA822, 5 - 7 MILS</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE	SAME AS LINE ONE

TABLE ONE STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS)  <b>UP TO 7 YEARS SERVICE LIFE</b>	8	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL FPL 274/FPA 327 RED, 4 - 6 MILS -- &amp; -- ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			ONE COAT INTERNATIONAL BRA 642 BLACK, ONE COAT BRA 640 RED, (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS INTERNATIONAL BRA 642 BLACK, (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	9	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL INTERTUF 262-KHA303/KHA062 RED, 4 - 6 MILS -- &amp; -- ONE COAT INTERNATIONAL INTERTUF 262-KHA302/KHA062 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			ONE COAT INTERNATIONAL BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS INTERNATIONAL BRA 642 BLACK, (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	10	SAME AS LINE ONE	<b>ONE COAT AMERON AMERCOAT 235 RED, 4 - 6 MILS -- &amp; -- ONE COAT AMERON AMERCOAT 235 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (3)			ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS AMERON ABC 3 BLACK (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	11	SAME AS LINE ONE	<b>ONE COAT AMERON AMERCOAT 230 RED, 4 - 6 MILS -- &amp; -- ONE COAT AMERON AMERCOAT 230 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (3)			ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), <b>4 - 6 MILS /COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS AMERON ABC 3 BLACK (MIL-PRF-24647), <b>4 - 6 MILS /COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	12	SAME AS LINE ONE	<b>ONE COAT HEMPEL HEMPADUR 4150-50630 RED, 4 - 6 MILS -- &amp; -- ONE COAT HEMPEL HEMPADUR 45150-11480 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (5)			ONE COAT HEMPEL OLYMPIC 76600-19990 BLACK (MIL-PRF- 24647), ONE COAT OLYMPIC 76600-51110 RED (MIL-PRF- 24647), <b>4 - 6 MILS /COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS HEMPEL OLYMPIC 76600-19990 BLACK, (MIL-PRF-24647), <b>4 - 6 MILS /COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	13	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, <b>4 - 6 MILS -- &amp; -- ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 4 - 6 MILS, 10 MILS MIN</b>  <b>SEE NOTE (1)</b>			ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 -- & -- ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), <b>4 - 6 MILS /COAT, 10 MILS MIN</b>  SEE NOTES (2) & (6)	<b>2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL- PRF-24647), 4 - 6 MILS/COAT, 10 MILS MIN</b>	<b>SAME AS LINE ONE</b>

TABLE ONE STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS)  <b>UP TO</b> 12 YEARS SERVICE LIFE	14	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL FPL 274/FPA 327 RED, 4 - 6 MILS</b> -- & -- <b>ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			ONE COAT INTERNATIONAL BRA 640 RED, ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS INTERNATIONAL BRA 642 BLACK (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	15	SAME AS LINE ONE	<b>ONE COAT INTERNATIONAL INTERTUF 262-KHA303/KHA062 RED, 4 - 6 MILS</b> -- & -- <b>ONE COAT INTERNATIONAL INTERTUF 262-KHA302/KHA062 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (4)			ONE COAT INTERNATIONAL BRA 640 RED, ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS INTERNATIONAL BRA 642 BLACK (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	16	SAME AS LINE ONE	<b>ONE COAT AMERON AMERCOAT 235 RED, 4 - 6 MILS</b> -- & -- <b>ONE COAT AMERON AMERCOAT 235 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (3)			ONE COAT AMERON ABC 3 RED, ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS AMERON ABC 3 BLACK (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	17	SAME AS LINE ONE	<b>ONE COAT AMERON AMERCOAT 230 RED, 4 - 6 MILS</b> -- & -- <b>ONE COAT AMERON AMERCOAT 230 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (3)			ONE COAT AMERON ABC 3 RED, ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS AMERON ABC 3 BLACK (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	18	SAME AS LINE ONE	<b>ONE COAT HEMPEL HEMPADUR 45150-50630 RED, 4 - 6 MILS</b> -- & -- <b>ONE COAT HEMPEL HEMPADUR 45150-11480 GRAY, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (5)			ONE COAT HEMPEL OLYMPIC 76600-51110 RED (MIL-PRF- 24647), ONE COAT OLYMPIC 76600-19990 BLACK (MIL-PRF- 24647), ONE COAT OLYMPIC 76600-51110 RED (MIL-PRF- 24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS HEMPEL OLYMPIC 76600-19990 BLACK (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE
	19	SAME AS LINE ONE	<b>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 4 - 6 MILS</b> -- & -- <b>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 4 - 6 MILS, 10 MILS MIN</b>  SEE NOTE (1)			ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10, ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 -- & -- ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL-PRF-24647), <b>4 - 6 MILS/COAT, 15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE ONE

TABLE ONE STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (STRUTS, RUDDERS, & OTHER CAVITATION PRONE AREAS)	20	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235 RED, <b>4 - 6 MILS</b>  SEE NOTE (3)	ONE COAT AMERON AMERCOAT 235 GRAY, <b>4 - 6 MILS</b>  SEE NOTE (3)	<b>ONE COAT</b> 3M CO. NO. EC-2216, <b>4 - 5 MILS</b> <b>--- &amp; ---</b> <b>3 COATS,</b> <b>5 - 6 MILS/COAT</b>	ANTIFOULING PAINT SAME AS SURROUNDING HULL  SEE NOTES (2) & (6)		
	21	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 230 RED, <b>4 - 6 MILS</b>  SEE NOTE (3)	ONE COAT AMERON AMERCOAT 230 GRAY, <b>4 - 6 MILS</b>  SEE NOTE (3)	SAME AS LINE 20	SAME AS LINE 20		
	22	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, <b>4 - 6 MILS</b>  SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, <b>4 - 6 MILS</b>  SEE NOTE (4)	SAME AS LINE 20	SAME AS LINE 20		
	23	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERTUF 262- KHA303/KHA062 RED, <b>4 - 6 MILS</b>  SEE NOTE (4)	ONE COAT INTERNATIONAL INTERTUF 262- KHA302/KHA062 GRAY, <b>4 - 6 MILS</b>  SEE NOTE (5)	SAME AS LINE 20	SAME AS LINE 20		
	24	SAME AS LINE ONE	ONE COAT HEMPEL HEMPADUR 45150-50630 RED, <b>4 - 6 MILS</b>  SEE NOTE (5)	ONE COAT HEMPEL HEMPADUR 45150-11480 GRAY, <b>4 - 6 MILS</b>  SEE NOTE (5)	SAME AS LINE 20	SAME AS LINE 20		
	25	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, <b>4 - 6 MILS</b>  <b>SEE NOTE (1)</b>	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, <b>4 - 6 MILS</b>  <b>SEE NOTE (1)</b>	SAME AS LINE 20	SAME AS LINE 20		
UNDERWATER HULL (CAPASTIC SHIELDS)  SEE NOTES (10) & (11)	26	WHITE METAL BLAST, NACE 1/SSPC-SP-5	INNER SHIELD: ONE COAT US FILTER, ELECTROCATALYTIC, CAPASTIC™, PART NO. 35524, 100 MILS MIN  OUTER SHIELD: ONE COAT US FILTER, ELECTROCATALYTIC, CAPASTIC™, PART NO. 35524, 22 MILS MIN	ANTICORROSIVE PAINT SAME AS SURROUNDING HULL		ANTIFOULING PAINT SAME AS SURROUNDING HULL  SEE NOTES (2) & (6)		

TABLE ONE ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS)	27	NEAR WHITE METAL BLAST USING GARNET OR ALUMINUM OXIDE OR <b>BLACK WALNUT SHELLS</b> - OR - WATERJETTING TO NACE 5/ SSPC-SP-12 CONDITION WJ-2/L	ONE COAT INTERNATIONAL INTERGARD 264 FPL 274/FPA 327 RED, <b>4 - 6 MILS</b> , WITHIN 4 HOURS AFTER SURFACE PREPARATION  SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 GRAY, <b>4 - 6 MILS</b>  SEE NOTE (4)	ONE COAT INTERNATIONAL INTERSLEEK 381 BXA380/BXA 381 LIGHT PINK, 3 - 5 MILS	ONE COAT INTERNATIONAL INTERSLEEK 425 BXA 816/BXA 821/BXA 822 HAZE GRAY, 5 - 7 MILS  SEE NOTES (2) & (6)	ONE COAT INTERNATIONAL INTERSLEEK 425 BXA 816/BXA 821/BXA 822 HAZE GRAY, 5 - 7 MILS  SEE NOTES (2) & (6)	ONE COAT INTERNATIONAL INTERSLEEK 425 BXA 819/BXA 821/BXA 822 BLACK, 5 - 7 MILS
<b>UNDERWATER HULL APPLIES TO EMBARKED BOATS AND CRAFT ONLY</b>	28	<b>SAME AS LINE 27</b>	<b>ONE COAT E-PAINT EP PRIMER 1000, 4 - 6 MILS</b>	<b>ONE COAT E-PAINT EP PRIMER 1000, 4 - 6 MILS</b>	<b>ONE COAT E-PAINT SN-1, 5 - 7 MILS WFT/COAT (3-4 MILS DFT/COAT) GRAY ---- &amp; ---- ONE COAT E-PAINT SN-1, 5 - 7 MILS WFT/COAT (3 - 4 MILS DFT/COAT) BLACK</b>	<b>ONE COAT E-PAINT SN-1, 5 - 7 MILS WFT/COAT (3 -4 MILS DFT/COAT) GRAY</b>  <b>SEE NOTES (2) &amp; (6)</b>	<b>ONE COAT E-PAINT SN-1, 5 - 7 MILS WFT/COAT (3 - 4 MILS DFT/COAT) GRAY</b>  <b>SEE NOTES (2) &amp; (6)</b>	<b>ONE COAT E-PAINT SN-1, 5 - 7 MILS WFT/COAT (3 - 4 MILS DFT/COAT) BLACK</b>
UNDERWATER HULL (STRUTS, RUDDERS & OTHER CAVITATION PRONE AREAS)	29	SAME AS LINE 27	ONE COAT INTERNATIONAL FPL 274/FPA 327, <b>4 - 6 MILS</b> , WITHIN 4 HOURS AFTER SURFACE PREPARATION  SEE NOTE (4)	<b>ONE COAT 3M CO. NO. EC-2216, 4 - 5 MILS -- &amp; -- 3 COATS, 5 - 6 MILS/COAT</b>		ANTI-FOULING PAINT SAME AS SURROUNDING HULL  SEE NOTES (2) & (6)		
	30	SAME AS LINE 27	ONE COAT AMERON AMERCOAT 235 RED, <b>4 - 6 MILS</b> , WITHIN 4 HOURS AFTER SURFACE PREPARATION  SEE NOTE (3)	SAME AS LINE 29		SAME AS LINE 29		



TABLE ONE GRP FIBERGLASS SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP)  <b>UP TO 7 YEARS SERVICE LIFE</b>	31	HIGH PRESSURE WASH TO REMOVE MARINE GROWTH & LOOSE PAINT - OR - TOUCH-UP OR REMOVAL OF PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLASTING WITH BLACK WALNUT SHELLS -- & -- SPOT CLEAN, CHAP 631, PARA 631-5.2.6  SEE NOTE (21)	ONE COAT INTERNATIONAL FPL 274/FPA 327, <b>4 - 6 MILS</b> - OR - INTERTUF 262- KHA303/KHA062, <b>4 - 6 MILS</b>			ONE COAT INTERNATIONAL BRA 642 BLACK, ONE COAT BRA 640 RED, <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS INTERNATIONAL BRA 642 BLACK, <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>	ONE COAT MIL-PRF-24635 LT GRAY, COLOR NO. 26373 (LOW SOLAR ABSORPTION ONLY) TO BOOTTOPPING & BELOW, <b>2 - 3 MILS</b>  ONE COAT COLOR NO. 26173 (FED STD 595) MIL-PRF-24635 OCEAN GRAY (LOW SOLAR ABSORPTION ONLY) ABOVE BOOTTOPPING, <b>2 - 3 MILS</b>
	32	SAME AS LINE 31	ONE COAT AMERON AMERCOAT 235, <b>4 - 6 MILS</b> - OR - <b>ONE COAT AMERON AMERCOAT 230 RED,</b> <b>4 - 6 MILS</b>  SEE NOTE (3)			ONE COAT AMERON ABC3 BLACK, ONE COAT AMERON ABC3 RED, <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS AMERON ABC3 BLACK, <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>	SAME AS LINE 31
	33	SAME AS LINE 31	ONE COAT HEMPEL HEMPADUR 45150-50630 RED, <b>4 - 6 MILS</b>  SEE NOTE (5)			ONE COAT HEMPEL OLYMPIC 76600-19990 BLACK -- & -- ONE COAT HEMPEL OLYMPIC 76600-51110 RED, <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS HEMPEL OLYMPIC 76600-19990 BLACK, <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>	SAME AS LINE 31
	34	SAME AS LINE 31	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, <b>4 - 6 MILS</b>  <b>SEE NOTE (1)</b>			ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 -- & -- ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>  SEE NOTES (2) & (6)	2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL-PRF-24647), <b>4 - 6 MILS/COAT,</b> <b>10 MILS MIN</b>	SAME AS LINE 31

TABLE ONE GRP FIBERGLASS SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP)  <b>UP TO 12 YEARS SERVICE LIFE</b>	35	SAME AS LINE 31	ONE COAT INTERNATIONAL FPL 274/FPA 327, <b>4 - 6 MILS</b> - OR - INTERTUF 262- KHA303/KHA062, <b>4 - 6 MILS</b>  SEE NOTE (4)			ONE COAT INTERNATIONAL <b>BRA 640 RED, ONE COAT</b> BRA 642 BLACK, ONE COAT BRA 640 RED, <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS INTERNATIONAL BRA 642 BLACK, <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE 31
	36	SAME AS LINE 31	ONE COAT AMERON AMERCOAT 235, <b>4 - 6 MILS</b> - OR - <b>ONE COAT AMERON</b> <b>AMERCOAT 230 RED,</b> <b>4 - 6 MILS</b>  SEE NOTE (3)			ONE COAT AMERON ABC3 RED, ONE COAT AMERON ABC3 BLACK, ONE COAT AMERON ABC3 RED, <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS AMERON ABC3 BLACK, <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE 31
	37	SAME AS LINE 31	ONE COAT HEMPEL HEMPADUR 45150-50630 RED, <b>4 - 6 MILS</b>  SEE NOTE (5)			ONE COAT HEMPEL OLYMPIC 76600-51110 RED -- & -- ONE COAT HEMPEL OLYMPIC 76600-19990 BLACK -- & -- ONE COAT HEMPEL OLYMPIC 76600-51110 RED, <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS HEMPEL OLYMPIC 76600-19990 BLACK, <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE 31
	38	SAME AS LINE 31	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, <b>4 - 6 MILS</b>  <b>SEE NOTE (1)</b>			ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10, ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 -- & -- ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	3 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL-PRF-24647), <b>4 - 6 MILS/COAT,</b> <b>15 MILS MIN</b>  SEE NOTES (2) & (6)	SAME AS LINE 31

TABLE ONE GRP FIBERGLASS SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL METAL APPENDAGES (STRUTS, RUDDERS & OTHER CAVITATION PRONE AREAS)  5 TO 10 YEARS SERVICE LIFE	39	<i><b>NEAR WHITE METAL BLAST USING GARNET OR ALUMINUM OXIDE - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L</b></i>	ONE COAT INTERNATIONAL FPL 274/FPA 327, <b>4 - 6 MILS</b>  SEE NOTE (4)	<i><b>ONE COAT 3M CO. NO. EC-2216, 4 - 5 MILS --- &amp; --- 3 COATS, 5 - 6 MILS/COAT</b></i>		SAME AS LINE <b>35</b>		
	40	SAME AS LINE <b>39</b>	ONE COAT AMERON AMERCOAT 235, <b>4 - 6 MILS</b>  SEE NOTE (3)	SAME AS LINE <b>39</b>		SAME AS LINE <b>36</b>		
	41	SAME AS LINE <b>39</b>	ONE COAT HEMPEL HEMPADUR 45150-50630 RED, <b>4 - 6 MILS</b>  SEE NOTE (5)	SAME AS LINE <b>39</b>		SAME AS LINE <b>37</b>		
	42	SAME AS LINE <b>39</b>	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, <b>4 - 6 MILS</b>  SEE NOTE (1)	SAME AS LINE <b>39</b>		SAME AS LINE <b>38</b>		
UNDERWATER HULL APPENDAGES ON MINESWEEPERS ONLY	43	SAME AS LINE <b>30</b>	<i><b>ONE FULL COAT MIL-DTL-24441, TYPE III, 2 - 4 MILS --- &amp; --- ONE STRIPE COAT MIL-DTL-24441, TYPE III, 2 - 4 MILS --- &amp; --- ONE FULL COAT MIL-DTL- 24441, TYPE III, 2 - 4 MILS --- &amp; --- ONE STRIPE COAT MIL- DTL-24441, TYPE III, 2 - 4 MILS --- &amp; --- ONE FULL COAT MIL-DTL- 24441, TYPE III, 2 - 4 MILS</b></i>	<i><b>ONE FULL COAT AMERON 3258 GREEN, 3 - 5 MILS --- &amp; --- ONE STRIPE COAT AMERON 3258 BLACK, 3 - 5 MILS --- &amp; --- ONE FULL COAT AMERON 3258 HAZE GRAY, 3 - 5 MILS --- &amp; --- ONE STRIPE COAT AMERON 3258 GREEN, 3 - 5 MILS --- &amp; --- ONE FULL COAT AMERON 3258 BLACK, 3 - 5 MILS</b></i>	<b>ANTI-FOULING PAINT SAME AS SURROUNDING HULL</b>  SEE NOTES (2) & (6)			

TABLE ONE WOOD SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL	44	BRUSH-OFF BLAST TO REMOVE LOOSE & DETERIORATED COATINGS - OR - HIGH-PRESSURE WASH TO REMOVE MARINE GROWTH & LOOSE PAINT  SEE NOTE (20)	KEEL TO 6 INCHES ABOVE UPPER BOOTTOP LIMIT  ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4 - 6 MILS			2 COATS F-121A, MIL-P-15931, 2 - 3 MILS EACH COAT, TO UNDERWATER HULL, APPENDAGES, SEA CHESTS & STRAINER PLATES UP TO BOTTOM OF BOOTTOPPING AREA  MIN DRYING TIME OF 6 HRS BETWEEN COATS OF F-121A  PUTTY SCREW HEADS, WHERE COMPOUND IS MISSING, WITH CAULKING COMPOUND CONFORMING TO TT-C-1796 AFTER FIRST COAT OF F-121A  SEE NOTES (2), (6), & (27)	3 COATS F-129A, MIL-P-15931, 2 - 3 MILS/ COAT  MIN DRYING TIME OF 6 HRS BETWEEN COATS OF F-129A  SEE NOTES (2), (6), & (27)	ONE COAT NO. 26373 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) LT GRAY, TO BOOTTOPPING & BELOW, <b>2 - 3 MILS</b>  ONE COAT NO. 26173 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) OCEAN GRAY, ABOVE BOOTTOPPING, <b>2 - 3 MILS</b>  SEE NOTE (6)

TABLE 2 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES	G VERTICAL SURFACES
EXTERIOR SURFACES ABOVE BOOTTOP WITH EXCEPTION OF AREAS RECEIVING NON-SKID & WELL DECK OVERHEAD AREAS  SEE NOTE (2)	1	NEAR WHITE METAL BLAST NACE 2/SSPC-SP-10 - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L	ONE COAT MIL-PRF-23236, 3 - 5 MILS - OR - <b>ONE COAT MIL-PRF-24647 APPROVED PRODUCT FROM TABLE ONE, LINES 14-19</b>	ONE STRIPE COAT -- & -- ONE FULL COAT MIL-PRF- 23236, 3 - 5 MILS - OR - <b>ONE STRIPE COAT -- &amp; -- ONE FULL COAT MIL-PRF- 24647 APPROVED PRODUCT FROM TABLE ONE, LINES 14-19</b>		ONE COAT DECK GRAY NO.26008 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - MIL-PRF-24763 TYPE II, CLASS 2, 2 - 4 MILS - OR - INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 2 - 3 MILS - OR - NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 2 - 3 MILS - OR - AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - <b>HEMPEL 537US, HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 2 - 3 MILS</b>	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL- PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - MIL-PRF-24763 TYPE II, CLASS 2, 2 - 4 MILS PAINT DESIGNATIONS & MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 2 - 3 MILS - OR - <b>HEMPEL 537US, HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 2 - 3 MILS</b>
HANGAR DECKS, FLIGHT DECKS & VERTICAL REPLENISHMENT DECK AREAS  (CV'S & CVN'S ONLY)	2	NEAR WHILE METAL BLAST, NACE 2/SSPC-SP-10 - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L	PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	STRIPE COAT OF PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE I, COMP G  SEE NOTES (19) & (22)	SEE NOTE (42)	SEE NOTE (43) & (47)
HANGAR DECKS, FLIGHT DECKS & VERTICAL REPLENISHMENT DECK AREAS	3	SAME AS LINE 2	PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	STRIPE COAT OF PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	SAME AS LINE 2		
LANDING AREAS (CV'S & CVN'S ONLY)	4	SAME AS LINE 2	SAME AS LINE 2	SAME AS LINE 2		ONE COAT DARK GRAY, MIL-PRF-24667, TYPE I, COMP L  SEE NOTES (19) & (22)		
WALK AREAS (ALL DECK AREAS OTHER THAN HANGAR, FLIGHT, & VERTREP)	5	SAME AS LINE 2	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3	ONE COAT MIL-PRF-24667, TYPE I, II, OR III, COMP G - OR - ONE COAT MIL-PRF-24667, TYPE IV  SEE NOTES (19) & (22)		

TABLE 2 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES	G VERTICAL SURFACES
RAST TRACK TROUGHS WHERE PAINTED (WHERE NON-SKID NOT APPLIED)	6	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE COAT INTERNATIONAL INTERBOND 998, DECK GRAY, 6 - 8 MILS			
	7	SAME AS LINE ONE	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS			
WELL DECK OVERHEADS, BOTH EXPOSED & NON- EXPOSED TO LCAC EXHAUST  SEE NOTES (30) & (34)	8	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10  SEE NOTE (31)	ONE COAT CREAM SIGMA COATINGS EDGE GUARD PRIMER (PDS NO.5427), 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA COATINGS EDGE GUARD TOPCOAT (PDS NO.5428), 6 - 10 MILS  SEE NOTE (33)	ONE COAT OFF-WHITE SIGMA COATINGS EDGE GUARD TOPCOAT (PDS NO. 5428), 10 - 12 MILS  SEE NOTE (33)			
	9	SAME AS LINE 8	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62A220/B62V220), 6 - 10 MILS  SEE NOTE (33)	ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10 - 12 MILS  SEE NOTE (33)			
	10	SAME AS LINE 8	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 GRAY (THA625/627), 6 - 10 MILS	ONE COAT INTERNATIONAL INTERLINE 624 WHITE (THA623/627), 10 - 12 MILS			
	11	SAME AS LINE 8	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 19, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL- PRF-23236, TYPE VII, CLASS 19, 6 - 10 MILS  SEE NOTE (33)	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 19, 10 - 12 MILS  SEE NOTE (33)			
EXTERIOR STEEL SURFACES	12	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11  SEE NOTE (40)	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	13	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	14	SAME AS LINE 8	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

TABLE 2 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES	G VERTICAL SURFACES
EXTERIOR SURFACES ABOVE BOOTTOP, WITH EXCEPTION OF AREAS RECEIVING NON-SKID  SEE NOTE (2)	15	ABRASIVE BLASTING, USING GARNET, ALUMINUM OXIDE, OR BLACK WALNUT SHELLS -- & -- SPOT CLEANING, CHAP 631, PARA 631-5.2.4.3 - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L  SEE NOTE (21)	ONE COAT MIL-PRF-23236, 3 - 5 MILS	ONE STRIPE COAT MIL-PRF-23236, 3 - 5 MILS	ONE FULL COAT MIL-PRF-23236, 3 - 5 MILS	ONE COAT DECK GRAY NO. 26008 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - MIL-PRF-24763 TYPE II, CLASS 2, 2 - 4 MILS - OR - INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - <b>HEMPEL 537US, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS</b>	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - MIL-PRF-24763 TYPE II, CLASS 2, 2 - 4 MILS - OR - INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - HEMPEL 537US, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS
	16	SAME AS LINE 15		2 COATS F-84, TT-P-645, ALKYD ZINC MOLYBDATE, 1.5 - 3 MILS/COAT		SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15
WALK AREAS  ALL DECK AREAS OTHER THAN HANGAR, FLIGHT & VERTICAL REPLENISHMENT DECK AREAS	17	NEAR WHITE BLAST, NACE 2/SSPC-SP-10, USING GARNET, ALUMINUM OXIDE OR BLACK WALNUT SHELLS - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L  SEE NOTE (21)	PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	STRIPE COAT OF PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667  SEE NOTE (7)	ONE COAT MIL-PRF-24667 TYPE I, II, OR III, COMP G - OR - ONE COAT MIL-PRF-24667 TYPE IV  SEE NOTE (19) & (22)		
HANGAR DECKS, FLIGHT DECKS & VERTICAL REPLENISHMENT DECK AREAS  CV & CVN ONLY	18	SAME AS LINE 17	SAME AS LINE 17	SAME AS LINE 17		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE I, COMP G  SEE NOTES (19) & (22)		

TABLE 2 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES	G VERTICAL SURFACES
HANGAR DECKS, FLIGHT DECKS, & VERTICAL REPLENISHMENT DECK AREAS	19	SAME AS LINE 17	SAME AS LINE 17	SAME AS LINE 17	SAME AS LINE 17	SAME AS LINE 18		
RAST TRACK TROUGHS WHERE PAINTED (WHERE NON-SKID NOT APPLIED)	20	NEAR WHITE BLAST, NACE 2/SSPC-SP-10, USING GARNET, ALUMINUM OXIDE OR BLACK WALNUT SHELLS - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L  SEE NOTE (21)	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE COAT INTERNATIONAL INTERBOND 998, DECK GRAY, 6 - 8 MILS			
	21	SAME AS LINE 20	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS	ONE STRIPE COAT MIL- PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS			
EXTERIOR ALUMINUM SURFACES	22	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11  SEE NOTE (40)	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15
	23	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15	SAME AS LINE 15





TABLE 2 WOOD SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES	G VERTICAL SURFACES
EXTERIOR ABOVE BOOTTOPPING	26	HAND TOOL CLEAN - OR - POWER TOOL CLEAN TO REMOVE DETERIORATED COATINGS	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4 - 6 MILS	DECKS, MASTS & SPARS:  ONE COAT NO. 26008 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - ONE COAT NO. 37038 (FED STD 595), MIL-PRF-24635, 2 - 3 MILS	ALL OTHER SURFACES:  ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS			IDENTIFICATION MARKINGS:  PAINT DESIGNATIONS & MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - NILES CHEMICAL PAINT CO. PRODUCT N-7229C HAZE GRAY (LOW SOLAR ABSORPTION ONLY), 2 - 3 MILS - OR - AMERON AMERCOAT 7229C HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS - OR - HEMPEL 537US, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 2 - 3 MILS  SEE NOTE (43)

TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTERIOR COMPARTMENTS  COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER CHAP 631, PARA 631-8.23.4	1	HAND TOOL CLEANING, SSPC-SP-2  SEE NOTES (17), (28) & (40)	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b> - OR - ONE COAT MIL-PRF-23236, 3 - 5 MILS	BHDS, OVHDS, ONE COAT NO. 37038 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>  DECKS ONE COAT NO. 27038 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER-BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b>	ONE COAT NO. 26008 (FED STD 595) MIL-PRF-24635, <b>2 - 3 MILS</b> (TO DECKS NOT RECEIVING COVERING)	HULL, VENTILATION & PIPING INSULATION  2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER-BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b>  SEE NOTES (9), (28), & (41)	FOR COMPARTMENT PIPING & VENTILATION  SEE NOTE (18)
	2	SAME AS LINE ONE	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b> - OR - ONE COAT MIL-PRF-23236, 3 - 5 MILS	SAME AS LINE ONE	2 COATS DOD-E-24607, <b>1.5 - 3 MILS/COAT</b>	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPARTMENTS (OVERCOAT)	3	HAND TOOL CLEANING, SSPC-SP-2  SEE NOTES (28) & (40)	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT		SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT
WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES & STOREROOMS WHERE HEAVY CONDENSATION IS COMMON)	4	POWER TOOL CLEANING TO BARE METAL, SSPC-SP-11  SEE NOTES (28) & (40)	ONE COAT SIGMAGLAZE 5492, WHITE ONLY, 8-10 MILS		ONE STRIPE COAT SIGMAGLAZE 5492, 8-10 MILS, -- & -- ONE FULL COAT, 8-10 MILS, WHITE ONLY		SAME AS LINE ONE	SAME AS LINE ONE
	5	SAME AS LINE 4	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6 - 10 MILS -- & -- ONE FINAL COAT, 10 - 12 MILS	ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT, 6 - 8 MILS	SAME AS LINE ONE	SAME AS LINE ONE
	6	SAME AS LINE 4	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		SAME AS LINE 5	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT, 6 - 8 MILS	SAME AS LINE ONE	SAME AS LINE ONE
	7	SAME AS LINE 4	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS		SAME AS LINE 5	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE FINAL COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS	SAME AS LINE ONE	SAME AS LINE ONE

TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTERIOR COMPARTMENTS  COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER CHAP 631, PARA 631-8.23.4	8	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11  SEE NOTES (17), (28) & (40)	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b> - OR - ONE COAT MIL-PRF-23236, 3 - 5 MILS	BHDS, OVHDS, ONE COAT NO.37038 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>  DECKS ONE COAT NO. 27038 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER-BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b>  SEE NOTE (9)	ONE COAT NO. 26008 (FED STD 595) MIL-PRF-24635, <b>2 - 3 MILS</b> (TO DECKS NOT RECEIVING COVERING)	SAME AS LINE ONE	SAME AS LINE ONE
	9	SAME AS LINE 8	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b> - OR - ONE COAT MIL-PRF-23236, 3 - 5 MILS	SAME AS LINE ONE	2 COATS DOD-E-24607, <b>1.5 - 3 MILS/COAT</b>	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPARTMENTS (OVERCOAT)	10	POWER TOOL CLEANING, SSPC-SP-3	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT		SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT
MACHINERY SPACES & BILGES  <b>SEE NOTE (44)</b>	11	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L - OR - NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10  SEE NOTES (28) & (40)	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ABOVE BILGE AREA:  2 COATS F-124, DOD-E-24607, <b>1.5 - 3 MILS/COAT</b>	BILGE AREA:  ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS	SAME AS LINE ONE	
	12	SAME AS LINE 11	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		SAME AS LINE 11	BILGE AREA:  ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	SAME AS LINE ONE	
	13	SAME AS LINE 11	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 17, 6 - 8 MILS		SAME AS LINE 11	BILGE AREA:  ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 17, 6 - 8 MILS	SAME AS LINE ONE	

TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTAKE VENT PLENUMS BETWEEN SKIN OF SHIP & MOISTURE SEPARATORS	14	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT SIGMA COATINGS EDGE GUARD PRIMER (PDS NO. 5427), 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SIGMA EDGE GUARD (PDS NO. 5428), 6 - 10 MILS -- & -- ONE FULL COAT SIGMA COATINGS EDGE GUARD TOP COAT (PDS NO. 5428), 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA EDGE GUARD (PDS NO. 5428), 6 - 10 MILS -- & -- ONE FULL COAT SIGMA COATINGS EDGE GUARD TOP COAT (PDS NO. 5428), 10 - 12 MILS  SEE NOTE (33)		
	15	SAME AS LINE 14	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT, 6 - 10 MILS -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62A220/B62V220), 6 - 10 MILS -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT, 10 - 12 MILS  SEE NOTE (33)		
	16	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L -OR- NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		
	17	SAME AS LINE 14	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)		

TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTAKE VENT PLENUMS BETWEEN SKIN OF SHIP & MOISTURE SEPARATORS (CON'T)	18	SAME AS LINE 14	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERLINE 624, 6 - 10 MILS -- & -- ONE COAT INTERNATIONAL INTERLINE 624, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624, 6 - 10 MILS -- & -- ONE COAT INTERNATIONAL INTERLINE 624, 10 - 12 MILS  SEE NOTE (33)		
	19	SAME AS LINE 14	ONE COAT SHERWIN WILLIAMS DURAPLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)		
	20	SAME AS LINE 14	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF- 23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT MI-PRF- 23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)		
	21	SAME AS LINE 16	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF- 23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		

TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
CLEAN AND DIRTY SIDE OF COMBUSTION AIR INTAKES	22	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)		
	23	SAME AS LINE 22	ONE COAT SHERWIN WILLIAMS DURAPLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)		
	24	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L - OR - NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		
	25	SAME AS LINE 24	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS	ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS		
	26	SAME AS LINE 24	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		

TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
CLEAN AND DIRTY SIDE OF COMBUSTION AIR INTAKES (CONT)	27	<b>POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11</b>	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		
	28	SAME AS LINE 27	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS	ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS		
	29	SAME AS LINE 27	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		
<b>FAN ROOMS</b>	30	<b>SAME AS LINE 11</b>	<b>SAME AS LINE 27, 28, OR 29</b>		<b>SAME AS LINE 27, 28, OR 29</b>	<b>SAME AS LINE 27, 28, OR 29</b>		
MIXING ROOM/UPTAKE SPACES WITH VENTS OR LOUVERS TO THE OUTSIDE ATMOSPHERE (BULKHEADS & DECKS)	31	NEAR WHITE METAL BLAST NACE 2/SSPC-SP-10	ONE COAT SIGMA COATINGS EDGE GUARD PRIMER, 4 - 8 MILS		ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10 - 12 MILS	ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10 - 12 MILS		
	32	SAME AS LINE 31	ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER, 4 - 8 MILS		ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 10 - 12 MILS	ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 10 - 12 MILS		
	33	SAME AS LINE 31	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERLINE 624, 6 - 10 MILS -- & -- ONE FULL COAT INTERNATIONAL INTERLINE 624, 10 - 12 MILS	ONE STRIPE COAT INTERNATIONAL INTERLINE 624, 6 - 10 MILS -- & -- ONE FULL COAT INTERNATIONAL INTERLINE 624, 10 - 12 MILS		
	34	SAME AS LINE 31	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)		



TABLE 3 STEEL SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
DECKS, INSIDE THE COAMING, UNDER AFFF PROPORTIONING UNITS, & BILGE DRAIN WELLS	35	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11  SEE NOTE (32) & (36)	ONE COAT BELZONA CERAMIC METAL 4311, 12 - 18 MILS			ONE COAT BELZONA CERAMIC METAL 4311, 12 - 18 MILS		
	36	SAME AS LINE 35	ONE COAT CHESTERTON ARC 855N, 12 - 18 MILS			ONE COAT CHESTERTON ARC 855N, 12 - 18 MILS		
	37	SAME AS LINE 35	ONE COAT ENECON CORPORATION CERAMALLOY CL+ [AC], 12 - 18 MILS			ONE COAT ENECON CORPORATION CERAMALLOY CL+ [AC], 12 - 18 MILS		
INTERIOR STEEL SURFACES	38	SAME AS LINE 14	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	39	SAME AS LINE 16	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	40	SAME AS LINE 27	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

TABLE 3 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTERIOR COMPARTMENTS  SEE NOTE (17)	41	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11, USING STAINLESS STEEL WIRE BRUSHES, STAINLESS STEEL PADS, OR ABRASIVE SANDING DISCS (ANSI/BHMA B74.18)	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b> - OR - <b>ONE COAT MIL-PRF-23236, 3 - 5 MILS</b>	BHDS, OVHDS, ONE COAT NO. 37038 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>  DECKS ONE COAT NO. 27038 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>	2 COATS DOD-E-24607, <b>1.5 - 3 MILS/COAT</b> - OR - 2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER-BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b>	ONE COAT NO. 26008 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b> (TO DECKS NOT RECEIVING DECK COVERING)	HULL, VENTILATION & PIPING INSULATION  2 COATS DOD-E-24607, <b>1.5 - 3 MILS/COAT</b> - OR - 2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER-BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b>  SEE NOTES (9), (28), & (41)	FOR COMPARTMENT PIPING & VENTILATION          SEE NOTE (18)
	42	HAND TOOL CLEANING, SSPC-SP-2       SEE NOTES (28) & (40)	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b> - OR - ONE COAT MIL-PRF-23236, 3 - 5 MILS	SAME AS LINE 41	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER-BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b> - OR - <b>2 COATS DOD-E-24607, 1.5 - 3 MILS/COAT</b>  SEE NOTE (9)	ONE COAT NO. 26008 (FED STD 595) MIL-PRF-24635, <b>2 - 3 MILS</b> (TO DECKS NOT RECEIVING COVERING)	<b>SAME AS LINE 41</b>	FOR COMPT PIPING VENTILATION       SEE NOTE (18)
INTERIOR COMPARTMENTS (OVERCOAT)	43	HAND TOOL CLEANING, SSPC-SP-2  SEE NOTE (28) & (40)	SAME AS LINE 41 FOR BARE METAL AREAS	SAME AS LINE 41	SAME AS LINE 41 <b>EXCEPT ONE COAT</b>		SAME AS LINE 41 EXCEPT ONE COAT	SAME AS LINE 41
	44	POWER TOOL CLEANING, SSPC-SP-3	SAME AS LINE 41 FOR BARE METAL AREAS	SAME AS LINE 41	SAME AS LINE 41 EXCEPT ONE COAT		SAME AS LINE 41 EXCEPT ONE COAT	SAME AS LINE 41

TABLE 3 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES & STOREROOMS WHERE HEAVY CONDENSATION IS COMMON)	45	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11  SEE NOTES (28) & (40)	ONE COAT SIGMA GLAZE 5492, 8-10 MILS, WHITE ONLY		ONE STRIPE COAT SIGMA 5492, 8-10 MILS -- & -- ONE FULL COAT, 8-10 MILS, WHITE ONLY		SAME AS LINE 41	SAME AS LINE 41
	46	SAME AS LINE 45	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6 - 10 MILS -- & -- ONE FINAL COAT, 10 - 12 MILS	ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT, 6 - 8 MILS	SAME AS LINE 41	SAME AS LINE 41
	47	SAME AS LINE 45	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		SAME AS LINE 46	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT, 6 - 8 MILS	SAME AS LINE 41	SAME AS LINE 41
	48	SAME AS LINE 45	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS		SAME AS LINE 46	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE FINAL COAT, MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS	SAME AS LINE 41	SAME AS LINE 41
MACHINERY SPACES & BILGES	49	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 - OR - WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L - OR - NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10  SEE NOTE (28)	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ABOVE BILGE AREA:  2 COATS F-124, DOD-E-24607, 1.5 - 3 MILS/COAT	BILGE AREA:  ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS	SAME AS LINE 41	
	50	SAME AS LINE 49	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		SAME AS LINE 49	BILGE AREA:  ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	SAME AS LINE 41	
	51	SAME AS LINE 49	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 17, 6 - 8 MILS		SAME AS LINE 49	BILGE AREA:  ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 17, 6 - 8 MILS	SAME AS LINE 41	

TABLE 3 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTAKE VENT PLENUMS, BETWEEN SKIN OF SHIP & MOISTURE SEPARATORS	52	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT CREAM SIGMA COATINGS EDGE GUARD PRIMER (PDS NO. 5427), 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOP COAT (PDS NO. 5428), 6 - 10 MILS -- & -- ONE COAT OFF-WHITE SIGMA COATINGS EDGE GUARD TOP COAT (PDS NO. 5428), 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOP COAT (PDS NO. 5428), 6 - 10 MILS -- & -- ONE COAT OFF-WHITE SIGMA COATINGS EDGE GUARD TOP COAT (PDS NO. 5428), 10 - 12 MILS  SEE NOTE (33)		
	53	SAME AS LINE 52	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA- PLATE UHS TOP COAT (B62A220/B62V220), 6 - 10 MILS -- & -- ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62W220/B62V220), 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA- PLATE UHS TOP COAT (B62A220/B62V220), 6 - 10 MILS -- & -- ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62W220/B62V220), 10 - 12 MILS  SEE NOTE (33)		
	54	SAME AS LINE 52	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA624/627) WHITE, 6 - 10 MILS -- & -- ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA624/627) WHITE, 6 - 10 MILS -- & -- ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10 - 12 MILS  SEE NOTE (33)		
	55	SAME AS LINE 52	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)		
	56	SAME AS LINE 52	ONE COAT SHERWIN WILLIAMS DURAPLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)		
	57	SAME AS LINE 52	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE 7, CLASS 5, 10 - 12 MILS  SEE NOTE (33)		

TABLE 3 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTAKE VENT PLENUMS, BETWEEN SKIN OF SHIP & MOISTURE SEPARATORS (CON'T)	58	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L - OR - NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		
	59	SAME AS LINE 58	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		
CLEAN AND DIRTY SIDE OF COMBUSTION AIR INTAKES	60	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 6 - 10 MILS -- & -- ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10 - 12 MILS  SEE NOTE (33)		
	61	SAME AS LINE 60	ONE COAT SHERWIN WILLIAMS DURAPLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS -- & -- ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10 - 12 MILS  SEE NOTE (33)		
	62	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2/L - OR - NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		
	63	SAME AS LINE 62	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS	ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS		
	64	SAME AS LINE 62	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		

TABLE 3 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
CLEAN AND DIRTY SIDE OF COMBUSTION AIR INTAKES (CONT)	65	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11, USING STAINLESS STEEL WIRE BRUSHES, STAINLESS STEEL PADS, OR ABRASIVE SANDING DISCS (ANSI/BHMA B74.18)	ONE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS	ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6 - 8 MILS		
	66	SAME AS LINE 65	ONE COAT ALOCIT 28.15, 6 - 8 MILS		ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS	ONE STRIPE COAT ALOCIT 28.15, 6 - 8 MILS -- & -- ONE FINAL COAT ALOCIT 28.15, 6 - 8 MILS		
	67	SAME AS LINE 65	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 17, 6 - 8 MILS  SEE NOTE (33)		
MIXING ROOM/UPTAKE SPACES WITH VENTS OR LOUVERS TO THE OUTSIDE ATMOSPHERE (BULKHEADS & DECKS)	68	NEAR WHITE METAL BLAST NACE 2/SSPC-SP-10	ONE COAT SIGMA COATINGS EDGE GUARD PRIMER, 4 - 8 MILS		ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6 - 10 MILS -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10 - 12 MILS	ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6 - 10 MILS -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10 - 12 MILS		
	69	SAME AS LINE 68	ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER, 4 - 8 MILS		ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6 - 10 MILS -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 10 - 12 MILS	ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6 - 10 MILS -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 10 - 12 MILS		
	70	SAME AS LINE 68	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS		ONE STRIPE COAT INTERNATIONAL INTERLINE 624, 6 - 10 MILS -- & -- ONE COAT INTERNATIONAL INTERLINE 624, 10 - 12 MILS	ONE STRIPE COAT INTERNATIONAL INTERLINE 624, 6 - 10 MILS -- & -- ONE COAT INTERNATIONAL INTERLINE 624, 10 - 12 MILS		
	71	SAME AS LINE 68	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 4 - 8 MILS  SEE NOTE (33)		ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS -- & -- ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)		
INTERIOR ALUMINUM SURFACES	72	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41
	73	SAME AS LINE 52	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41
	74	SAME AS LINE 58	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41	SAME AS LINE 41

TABLE 3 GRP FIBERGLASS SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTERIOR FIBROUS GLASS BOARDS	75	SOAP & WATER CLEAN & HAND SAND AS NECESSARY	ONE COAT FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS</b>		2 COATS WATER-BASED INTERIOR LATEX, MIL-PRF-24596, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A FIRE RETARDANT INTERIOR LATEX, <b>2 - 4 MILS/COAT</b>			
	76	SAME AS LINE 75	ONE COAT FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS</b>		2 COATS OF FINISH COAT DOD-E-24607, <b>1.5 - 3 MILS/COAT</b> , F-124, 125, OR 126 (COLOR TO BE DESIGNATED)			

TABLE 3 WOOD SURFACES	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTERIOR COMPARTMENTS	77	HAND TOOL CLEAN -- & -- POWER TOOL CLEAN TO BARE WOOD OR TIGHTLY ADHERING INTACT PAINT	2 COATS FORMULA 84, ALKYD ZINC MOLYBDATE, TT-P-645, <b>1.5 - 3 MILS/COAT</b>		2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS NAVY F-25A, WATER- BASED FIRE RETARDANT COATING, <b>2 - 4 MILS/COAT</b>  SEE NOTES (9) & (17)			FOR COMPARTMENT PIPING & VENTILATION  SEE NOTE (18)
	78	SAME AS LINE 77	2 COATS FORMULA 84, ALKYD ZINC MOLYBDATE, TT-P-645, <b>1.5 - 3 MILS/COAT</b>		2 COATS DOD-E-24607, <b>1.5 - 3 MILS/COAT</b>  SEE NOTE (17)			SAME AS LINE 77



TABLE 4 STEEL SURFACES	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
POTABLE WATER TANKS	1	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10  SEE NOTE (26)	ONE COAT INTERNATIONAL 5747/5748, GREEN, 3 - 5 MILS	ONE STRIPE COAT INTERNATIONAL 5753/5754, WHITE, 3 - 5 MILS	ONE COAT INTERNATIONAL 5753/5754, WHITE, 3 - 5 MILS <b>AT ADEQUATE THICKNESS TO MEET COATING RANGE</b>			TOTAL SYSTEM 8 MILS MIN, 10 MILS MAX <b>(AREAS WITHOUT STRIPE COAT)</b>  SEE NOTE (37)
	2	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS TANKGUARD N11G100/N11V100, GREEN, 3 - 5 MILS	ONE STRIPE COAT SHERWIN WILLIAMS TANKGUARD N11L100/N11V101, BLUE, 3 - 5 MILS	ONE COAT SHERWIN WILLIAMS TANKGUARD N11L100/N11V101, BLUE, 3 - 5 MILS <b>AT ADEQUATE THICKNESS TO MEET COATING RANGE</b>			TOTAL SYSTEM 8 MILS MIN, 10 MILS MAX <b>(AREAS WITHOUT STRIPE COAT)</b>  SEE NOTE (37)
	3	SAME AS LINE ONE	ONE COAT MIL-PRF-23236, TYPE V OR VI, CLASS 9, 3 - 5 MILS	ONE STRIPE COAT MIL-PRF-23236, TYPE V OR VI, CLASS 9, 3 - 5 MILS	ONE COAT MIL-PRF-23236, TYPE V OR VI, CLASS 9, 3 - 5 MILS <b>AT ADEQUATE THICKNESS TO MEET COATING RANGE</b>			TOTAL SYSTEM 8 MILS MIN, 10 MILS MAX <b>(AREAS WITHOUT STRIPE COAT)</b>  SEE NOTE (37)
	4	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE STRIPE COAT F-152, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE COAT F-156, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE STRIPE COAT F-150, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE COAT F-152, MIL-DTL-24441, TYPE III, 2 - 4 MILS <b>AT ADEQUATE THICKNESS TO MEET COATING RANGE</b>	TOTAL SYSTEM 8 MILS MIN, 12 MILS MAX <b>(AREAS WITHOUT STRIPE COAT)</b>  SEE NOTE (37)
	5	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6 - 10 MILS  SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10 - 12 MILS  SEE NOTE (33)			
	6	SAME AS LINE ONE	ONE COAT SIGMAGUARD CSF 85, 8 - 12 MILS	ONE STRIPE COAT SIGMAGUARD CSF 85, 2 - 4 MILS	<b>ONE COAT SIGMAGUARD CSF 85, 8 - 12 MILS</b>			
	7	SAME AS LINE ONE	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 9, 8 - 12 MILS	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 9, 2 - 4 MILS	<b>ONE COAT MIL-PRF-23236, TYPE VII, CLASS 9, 8 - 12 MILS</b>			
FEEDWATER TANKS ONLY	8	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE STRIPE COAT F-152, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE COAT F-151, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE STRIPE COAT F-150, MIL-DTL-24441, TYPE III, 2 - 4 MILS	ONE COAT F-152, MIL-DTL-24441, TYPE III, 2 - 4 MILS <b>AT ADEQUATE THICKNESS TO MEET COATING RANGE</b>	TOTAL SYSTEM 8 MILS MIN, 12 MILS MAX <b>(AREAS WITHOUT STRIPE COAT)</b>
	9	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERGARD FPJ 034/FPA GRAY, 4 - 6 MILS	ONE STRIPE COAT INTERNATIONAL INTERGARD, 4 - 6 MILS	ONE COAT INTERNATIONAL INTERGARD FPD 052/FPA WHITE, 4 - 6 MILS			
	10	SAME AS LINE ONE	ONE COAT MIL-PRF-23236, TYPE VI OR VII, CLASS 11, <b>4 - 6 MILS</b>	ONE STRIPE COAT MIL-PRF-23236, TYPE VI OR VII, CLASS 11, <b>4 - 6 MILS</b>	ONE COAT MIL-PRF-23236, TYPE VI OR VII, CLASS 11, <b>4 - 6 MILS</b>			

TABLE 4 STEEL SURFACES	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS, <b>SUMPS</b>  EDGE RETENTIVE-EXTENDED SERVICE LIFE 15-20 YEARS  SEE NOTE (35)	11	SAME AS LINE ONE	ONE COAT CREAM SIGMA EDGEGUARD PRIMER (PDS NO. 5427), 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT OFF-WHITE SIGMA EDGEGUARD TOPCOAT (PDS NO. 5428), 6 - 10 MILS  SEE NOTE (33)	ONE COAT WD GRAY SIGMA EDGEGUARD TOPCOAT (PDS NO. 5428), 10 - 12 MILS  SEE NOTE (33)			
	12	SAME AS LINE ONE	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62A220/B62V220), 6 - 10 MILS  SEE NOTE (33)	ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10 - 12 MILS  SEE NOTE (33)			
	13	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA624/627) WHITE, 6 - 10 MILS  SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10 - 12 MILS  SEE NOTE (33)			
	14	SAME AS LINE ONE	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 6 - 10 MILS  SEE NOTE (33)	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5, 10 - 12 MILS  SEE NOTE (33)			
JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS, <b>SUMPS</b>  EDGE RETENTIVE-EXTENDED SERVICE LIFE <b>10-12 YEARS (LESS STRINGENT HUMIDITY REQUIREMENTS)</b>  SEE NOTE (35)	15	<b>NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10</b>  <b>SEE NOTE (38)</b>	<b>SAME AS LINE 11</b>	<b>SAME AS LINE 11</b>	<b>SAME AS LINE 11</b>			
	16	<b>SAME AS LINE 15</b>	<b>SAME AS LINE 12</b>	<b>SAME AS LINE 12</b>	<b>SAME AS LINE 12</b>			
	17	<b>SAME AS LINE 15</b>	<b>SAME AS LINE 13</b>	<b>SAME AS LINE 13</b>	<b>SAME AS LINE 13</b>			
	18	<b>SAME AS LINE 15</b>	<b>SAME AS LINE 14</b>	<b>SAME AS LINE 14</b>	<b>SAME AS LINE 14</b>			

TABLE 4 STEEL SURFACES	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
<p>JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS, SUMPS</p> <p>EDGE RETENTIVE-EXTENDED SERVICE LIFE 10-12 YEARS</p> <p>SEE NOTE (35)</p>	19	SAME AS LINE ONE	<p>ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4 - 8 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6 - 10 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10 - 12 MILS</p> <p>SEE NOTE (33)</p>			
<p>JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS, SUMPS</p> <p>NORMAL SERVICE LIFE 5-7 YEARS (LESS STRINGENT HUMIDITY REQUIREMENTS)</p> <p>SEE NOTE (35)</p>	20	SAME AS LINE 15	SAME AS LINE 19	SAME AS LINE 19	SAME AS LINE 19			
<p>CHT/MSD TANKS</p>	21	SAME AS LINE ONE	<p>ONE COAT CREAM SIGMA EDGE GUARD PRIMER (PDS NO. 5427), 4 - 8 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOPCOAT (PDS NO. 5428), 6 - 10 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE COAT WHITE SIGMA EDGE GUARD TOPCOAT (PDS NO. 5428), 10 - 12 MILS</p> <p>SEE NOTE (33)</p>			
	22	SAME AS LINE ONE	<p>ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4 - 8 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62A220/B62V220), 6 - 10 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10 - 12 MILS</p> <p>SEE NOTE (33)</p>			
	23	SAME AS LINE ONE	<p>ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA624/627) WHITE, 6 - 10 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10 - 12 MILS</p> <p>SEE NOTE (33)</p>			
	24	SAME AS LINE ONE	<p>ONE COAT MIL-PRF-23236, TYPE VII, CLASS 13, 4 - 8 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 13, 6 - 10 MILS</p> <p>SEE NOTE (33)</p>	<p>ONE COAT MIL-PRF-23236, TYPE VII, CLASS 13, 10 - 12 MILS</p> <p>SEE NOTE (33)</p>			

TABLE 4 STEEL SURFACES	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
BALLAST TANKS, FLOODABLE VOIDS (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT & ABOVE)  EDGE RETENTIVE- EXTENDED SERVICE LIFE 15-20 YEARS  SEE NOTE (8)	25	SAME AS LINE ONE	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6 - 10 MILS  SEE NOTE (33)	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-S674, AQUA, 10 - 12 MILS  SEE NOTE (33)			
	26	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA- PLATE UHS, 6 - 10 MILS  SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10 - 12 MILS  SEE NOTE (33)			
	27	SAME AS LINE ONE	ONE PRIMER COAT AMERON AMERCOAT 133, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT AMERON AMERCOAT 333, 6 - 10 MILS  SEE NOTE (33)	ONE COAT AMERON AMERCOAT 333, 10 - 12 MILS  SEE NOTE (33)			
	28	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERGARD 143 (THA 141/THA 148) PINK, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERGARD 143 (THA 143/THA 148) BUFF, 6 - 10 MILS  SEE NOTE (33)	ONE COAT INTERNATIONAL INTERGARD 143 (THA 144/THA 148) GRAY, 10 - 12 MILS  SEE NOTE (33)			
	29	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA624/627) WHITE, 6 - 10 MILS  SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10 - 12 MILS  SEE NOTE (33)			
	30	SAME AS LINE ONE	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 7, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 7, 6 - 10 MILS  SEE NOTE (33)	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 7, 10 - 12 MILS  SEE NOTE (33)			

TABLE 4 STEEL SURFACES	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
BALLAST TANKS, FLOODABLE VOIDS (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT & ABOVE)  EDGE RETENTIVE SERVICE LIFE 10 - 12 YEARS ( <b>LESS STRINGENT HUMIDITY REQUIREMENTS</b> )  SEE NOTE (8)	31	SAME AS LINE 15	<b>SAME AS LINE 25</b>	<b>SAME AS LINE 25</b>	<b>SAME AS LINE 25</b>			
	32	SAME AS LINE 15	<b>SAME AS LINE 26</b>	<b>SAME AS LINE 26</b>	<b>SAME AS LINE 26</b>			
	33	SAME AS LINE 15	<b>SAME AS LINE 27</b>	<b>SAME AS LINE 27</b>	<b>SAME AS LINE 27</b>			
	34	SAME AS LINE 15	<b>SAME AS LINE 28</b>	<b>SAME AS LINE 28</b>	<b>SAME AS LINE 28</b>			
	35	SAME AS LINE 15	<b>SAME AS LINE 29</b>	<b>SAME AS LINE 29</b>	<b>SAME AS LINE 29</b>			
	36	SAME AS LINE 15	<b>SAME AS LINE 30</b>	<b>SAME AS LINE 30</b>	<b>SAME AS LINE 30</b>			
BALLAST TANKS, FLOODABLE VOIDS (USE ONLY WHEN SUBSTRATE TEMPERATURE CANNOT BE MAINTAINED ABOVE 50 DEGREES FAHRENHEIT)  NORMAL 5 - 7 YEARS SERVICE LIFE	37	SAME AS LINE 15	ONE COAT MIL-PRF-23236C, GRADE A <b>OR B</b>	ONE STRIPE COAT MIL-PRF-23236C, GRADE A <b>OR B</b>	ONE COAT MIL-PRF-23236C, GRADE A <b>OR B</b>			
CHAIN LOCKERS	38	<b>NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10</b>	ONE COAT MIL-PRF-23236, 3 - <b>5 MILS</b>	ONE STRIPE COAT MIL-PRF-23236, 3 - <b>5 MILS</b>	ONE COAT MIL-PRF-23236, <b>3 - 5 MILS</b>			
NON-FLOODABLE VOIDS	39	SAME AS LINE 38	ONE COAT INTERNATIONAL INTERGARD 143 (THA 141/THA 148) PINK, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERGARD 143 (THA 143/THA 148) BUFF, 6 - 10 MILS  SEE NOTE (33)	ONE COAT INTERNATIONAL INTERGARD 143 (THA 144/THA 148) GRAY, 10 - 12 MILS  SEE NOTE (33)			
	40	SAME AS LINE 38	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6 - 10 MILS  SEE NOTE (33)	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-S674, AQUA, 10 - 12 MILS  SEE NOTE (33)			
	41	SAME AS LINE 38	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6 - 10 MILS  SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10 - 12 MILS  SEE NOTE (33)			
	42	SAME AS LINE 38	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 7, 4 - 8 MILS  SEE NOTE (33)	ONE STRIPE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 7, 6 - 10 MILS  SEE NOTE (33)	ONE COAT MIL-PRF-23236, TYPE VII, CLASS 5 OR 7, 10 - 12 MILS  SEE NOTE (33)			
	43	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11  SEE NOTE (40)	2 COATS F-84, ALKYD ZINC MOLYBDATE, TT-P-645, <b>1.5 - 3 MILS/COAT</b>	ONE COAT NO. 27875 (FED STD 595), MIL-PRF-24635, 2 - <b>3 MILS</b>				

TABLE 4 ALUMINUM SURFACES	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
TANKS AND VOIDS	44	NEAR WHITE BLAST, NACE 2/SSPC-SP-10, TO ACHIEVE 1-1/2 TO 2 MILS ANCHOR PATTERN, USING GARNET OR ALUMINUM OXIDE	SAME AS FOR STEEL	SAME AS FOR STEEL	SAME AS FOR STEEL	SAME AS FOR STEEL	SAME AS FOR STEEL	SAME AS FOR STEEL

TABLE 5 VARIOUS LOCATIONS	LINE	A SURFACE PREPARATION	B	C	D	E	F TOTAL SYSTEM	G DESIGNATIONS & MARKINGS
UNHEATED PIPING, FITTINGS, VALVES	1	HANDTOOL CLEAN, SSPC-SP-2  SEE NOTE (40)	ONE COAT F-84, ALKYD ZINC MOLYBDATE, TT-P-645, <b>1.5 - 3 MILS</b>	ONE COAT F-84, ALKYD ZINC MOLYBDATE, TT-P-645, <b>1.5 - 3 MILS</b>	2 COATS OF BILGE FINISH COAT TO MATCH SURROUNDING SURFACES, INCLUDING LAGGED SURFACES			ONE COAT MIL-PRF-24635, <b>2 - 3 MILS</b> , FOR COLOR CODED SYSTEMS
UNHEATED FERROUS MACHINERY EXTERNAL SURFACES	2	POWER TOOL CLEAN, SSPC-SP-3	SAME AS LINE ONE	ONE COAT F-111, MIL-DTL-15090, <b>1.5 - 3 MILS</b> - OR - ONE COAT NO. 26307 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>	IF REQUIRED FOR HIDING, ONE ADDITIONAL COAT: F-111, MIL-DTL-15090, <b>1.5 - 3 MILS</b> - OR - NO. 26307 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>			
MACHINERY, GAGEBOARDS	3	SAME AS LINE 2	SAME AS LINE ONE	ONE COAT F-111, MIL-DTL-15090, <b>1.5 - 3 MILS</b> - OR - ONE COAT NO. 26307 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>	IF REQUIRED FOR HIDING, ONE ADDITIONAL COAT: F-111, MIL-DTL-15090, <b>1.5 - 3 MILS</b> - OR - NO. 26307 (FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>			
UNINSULATED SIDE OF BULKHEAD OR SHELL ADJACENT TO SEA OR AC BOUNDARY (FOR INTERIOR COMPARTMENTS ONLY)	4	POWER TOOL CLEAN TO BARE METAL, SSPC- SP-11	ONE COAT HEMPEL HEMPADUR 45150-50630, <b>4 - 6 MILS</b>	ONE COAT HEMPEL ANTI-CONDENS 617US-10000, 50 - 60 MILS				
	5	SAME AS LINE 4	<b>ONE COAT F-84, ALKYD ZINC MOLYBDATE, TT-P-645, 1.5 - 3 MILS</b> - OR - <b>ONE COAT MIL-PRF-23236, 3 - 5 MILS</b>	ONE COAT TEMP-COAT 101, 20 - 22 MILS	ONE COAT TEMP-COAT 101, 20 - 22 MILS	<b>ONE COAT TEMP-COAT 101, 20 - 22 MILS</b>		
BOILERS & ECONOMIZERS (EXCEPT PARTS USED FOR HEAT TRANSFER), MACHINERY CASINGS, FERROUS SHEET METAL & PIPING SURFACES	6	SAME AS LINE 4	ONE COAT AMERON AMERCOAT 892HS, 2 - 3 MILS  SEE NOTE (39)					
	7	SAME AS LINE 4	2 COATS OF TT-P-28 SUFFICIENT TO COVER THE PROFILE					
ELECTRICAL EQUIPMENT, ELECTRONIC EQUIPMENT & CABLES	8	SAME AS LINE ONE	ONE COAT F-84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS</b>	2 COATS F-111, MIL-DTL- 15090, <b>1.5 - 3 MILS/COAT</b> - OR - ONE COAT NO. 26307 FED STD 595), MIL-PRF-24635, <b>2 - 3 MILS</b>				
CABLE, INTERIOR (OTHER THAN PVC, LOW SMOKE)	9	SAME AS LINE ONE	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, <b>1.5 - 3 MILS/COAT</b>	2 COATS NAVY F-25A OR 2 COATS WATER-BASED LATEX PER MIL-PRF-24596, <b>2 - 4 MILS/COAT</b>	2 COATS DOD-E-24607 CHLORINATED ALKYD <b>1.5 - 3 MILS/COAT</b> (FOR COLOR MATCH IF REQUIRED)			
CABLE, EXTERIOR (OTHER THAN PVC, LOW SMOKE)	10	SAME AS LINE ONE	SAME AS LINE 8	ONE COAT MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) TO MATCH SURROUNDING AREA, <b>2 - 3 MILS</b>				
ELECTRICAL/ELECTRONIC CABLES (PVC, LOW SMOKE)	11	SAME AS LINE ONE	2 COATS MIL-PRF-24596, WATER-BASED LATEX, <b>2 - 4 MILS/COAT</b> - OR - 2 COATS OF NAVY F-25A, <b>2 - 4 MILS/COAT</b>		2 COATS OF DOD-E-24607, <b>1.5 - 3 MILS/COAT</b> (FOR COLOR MATCH IF REQUIRED)			

TABLE 5 VARIOUS LOCATIONS	LINE	A SURFACE PREPARATION	B	C	D	E	F TOTAL SYSTEM	G DESIGNATIONS & MARKINGS
ANCHOR (SURFACE SHIP BOW ANCHORS)  FOR ANCHORS BELOW LOWER BOOTTOPPING LIMIT, SEE NOTE (13)	12	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10  SEE NOTES (14) & (21)	ONE COAT MIL-PRF-23236, 3 - 5 MILS	ONE COAT MIL-PRF-23236, 3 - 5 MILS	ONE COAT HAZE GRAY, NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), <b>2 - 3 MILS</b>			
ANCHOR CHAIN	13	COMMERCIAL BLAST CLEAN, SSPC-SP-6  SEE NOTES (14), (16), & (21)	ONE COAT AMERON PSX 700 TO HOLD BLAST, 1 - 2 MILS	ONE COAT AMERON PSX 700, 4 - 5 MILS	ONE COAT AMERON PSX 700, 4 - 5 MILS		10 MILS MIN, 12 MILS MAX	AMERON PSX 700  SEE NOTE (15)
INTERIOR GALVANIZED SURFACES	14	BRUSH-OFF BLAST, SSPC-SP-7 - OR - POWER TOOL CLEAN, SSPC- SP-3		ONE COAT WATER-BASED INTERIOR LATEX, MIL-PRF-24596, <b>2 - 4 MILS</b> - OR - ONE COAT NAVY F-25A FIRE RETARDANT INTERIOR LATEX, <b>2 - 4 MILS</b>	TOPCOAT TO MATCH SURROUNDING AREA			
EXTERIOR GALVANIZED SURFACES	15	SAME AS LINE 14		ONE COAT MIL-PRF-24763, <b>2 - 4 MILS</b>	TOPCOAT TO MATCH SURROUNDING AREA			
EXHAUST PIPE EXTERIOR	16	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10	ONE COAT AMERCOAT 892HS, HAZE GRAY #26270, 2 - 3 MILS - OR - 2 COATS OF TT-P-28 SUFFICIENT TO COVER THE PROFILE  SEE NOTES (39) & (42)					
PCMS (REPAIRS)	17	STRIP PAINT, USING "PEEL- AWAY-7" - OR - PLASTIC MEDIA BLASTER - OR - SODIUM BICARBONATE MEDIA BLASTER  SEE REPAIR & INSTALLATION METHODS, RIM 05T1-99			ONE COAT HAZE GRAY, MIL- PRF-24763 (LOW SOLAR ABSORPTION ONLY), <b>2 - 4 MILS</b> (TOP COAT OF PCMS)  SEE NOTE (45)			
PCMS (NEW INSTALLATION)	18	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 - OR - POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4 - 6 MILS  SEE NOTE (29)	ONE COAT F-151, MIL-DTL-24441, TYPE IV, 4 - 6 MILS  SEE NOTES (29)	SAME AS LINE 17			
INTERIOR DECK PASSAGEWAYS NOT RECEIVING DECK COVERINGS  SEE NOTE (12)	19	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 - OR - POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT AMERON AMERCOAT 238, 10 - 12 MILS	ONE COAT AMERON AMERCOAT 238, 10 - 12 MILS				
	20	SAME AS LINE 19	ONE COAT SIGMAGUARD CSF GLASS FLAKE 7954, 10 - 12 MILS	ONE COAT SIGMAGUARD CSF GLASS FLAKE 7954, 10 - 12 MILS				
	21	SAME AS LINE 19	ONE COAT MIL-PRF-23236, TYPE VI OR VII, CLASS 16, 10 - 12 MILS	ONE COAT MIL-PRF-23236, TYPE VI OR VII, CLASS 16, 10 - 12 MILS				