

PPG Protective and Marine Coatings

Amercoat 601N

Fire Retardant Latex Enamel

MIL-PRF-24596

If this product is to be applied as part of a coating system, all components of the system must be as listed on the QPL.

This NAVSEA-REVIEWED ASTM F-718 data sheet is the only data sheet approved for use when utilizing this coating for U.S. Navy preservation projects. NAVSEA's review covers only the application process for the material. The review does not denote the material as a qualified product, nor does it constitute an approval for purchase/procurement of the material. For products on the Qualified Products List (QPL) for this MILSPEC, please refer to <https://assist.daps.dla.mil/quicksearch/>

Questions regarding modifications or updates of this ASTM F-718 shall be directed toward:

NSWCCD

(215) 897-7411

nswccd_astm_f718@navy.mil

ASTM F 718

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

CONTINUATION SHEET USED: ☐ YES ☒ NO

Date: 7/22/09 Rev.

I. GENERIC TYPE AND DESCRIPTION: Fire Retardant Latex Enamel
Specification Number, Type, Class and/or Grade: MIL-PRF-24596

II. MANUFACTURERS DATA:

- (a) MANUFACTURER: PPG Protective and Marine Coatings
1377 Oakleigh Drive, East Point, GA 30344
- (b) PRODUCT DESIGNATION: Amercoat 601N
- (c) COLOR(S) Rosewood, Beach Sand, Sun Glow, Yellow Gray, Pearl Gray, Pastel Blue, Clipper Blue, Green Gray
- (d) USES: Interior spaces where specified by NAVSEA Standard Item 009-32
- (e) TECHNICAL SERVICE REPRESENTATIVE
(Include Telephone Nos.): Paul Whitehead (800) 661-4774
- (f) NOT RECOMMENDED FOR: Below the waterline

III. PROPERTIES:

- (a) % VOLUME SOLIDS (ASTM D 2697): $46.3 \pm 3\%$
- (b) % WEIGHT SOLIDS (ASTM D 1475): $60.2 \pm 3\%$
- (c) FLASH POINT (ASTM TEST METHOD D 93 OR D 56 OR D 3278): 100°F minimum
- (d) WEIGHT PER VOLUME: (FTMS 141a4184.1): 10.9 ± 0.5 lbs / gal
- (e) % EDGE RETENTION (IF REQUIRED BY APPLICABLE SPECIFICATION): N/A
- (f) SHELF LIFE: 12 months from date of manufacture
- (g) VISCOSITY (ASTM D522): COMPONENT A: 80-90 KU (single component product)
- (h) PACKAGING: Gallons and Five Gallons
- (i) NUMBER OF COMPONENTS: 1
- (j) GLOSS (ASTM D 523): 45-60 (60 degree specular gloss)
- (k) STORAGE REQUIREMENTS: TEMP. MIN 35°F MAX 95°F
ADDITIONAL PAINT STORAGE REQUIREMENTS: NAVSEA requires storage at $65^{\circ}\text{F} - 85^{\circ}\text{F}$ in accordance with NAVSEA Standard Item 009-32.
- (l) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24): < 120 g/L
- (m) WEIGHT OF DRY FILM (WEIGHT/FT² AT 1 MIL THICKNESS): 0.01 lbs / ft²
- (n) SPECIAL PROPERTIES (e.g., STAIN RESISTANCE, LOW SOLAR ABSORBANCE, MOISTURE TOLERANCE): Non-flaming

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS):

- (a) INITIAL – SSPC-SP 10
- (b) TOUCH-UP – Clean, dry surface, SSPC-SP 1
- (c) PROFILE (INCLUDE METHOD USED) - MIN. 2.0 mils MAX. 4.0 mils (for primer)
- (d) SPECIAL INSTRUCTIONS – N/A
- (e) PRIMER REQUIREMENTS (IF APPLICABLE): Refer to NAVSEA Standard Item 009-32
- (f) MAXIMUM ALLOWABLE CONDUCTIVITY (BRESLE PATCH METHOD): 50 mg/m² for non-immersed areas IAW NAVSEA Standard Item 009-32
- (g) MAXIMUM DEGREE OF FLASH RUSTING ALLOWABLE (LIST COMMERCIAL STANDARD): SSPC-SP 12/WJ-2 (L)

SPECIAL SAFETY PRECAUTIONS:
See Material Safety Data Sheet

V. MIXING PROCEDURES:

- (a) MIXING RATIOS BY WEIGHT – N/A
BY VOLUME –N/A
- (b) INDUCTION TIME – NA
- (c) RECOMMENDED SOLVENT – THINNING – NO THINNING ALLOWED
CONFINED AREAS - NO THINNING ALLOWED
NON-CONFINED AREAS – NO THINNING ALLOWED
CLEAN UP – Warm Water
- (d) THINNING REQUIREMENTS (RATIO) – NO THINNING ALLOWED
- (e) POT LIFE - NA Hr(s) @ 77°F (25°C)
- (f) SPECIAL INSTRUCTIONS – N/A

VI. APPLICATION:

- (a) ENVIRONMENTAL LIMITATIONS -
- SUBSTRATE TEMPERATURE: MIN. 50°F MAX. 100°F
- MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT – 5°F
- RELATIVE HUMIDITY: Refer to NAVSEA Standard Item 009-32
- AMBIENT TEMPERATURE: MIN. 50°F MAX. 100°F

- (b) FILM THICKNESS (SSPC-PA 2):

PER COAT:
WET MIN. 4.2 mils WET MAX. 8.4 mils

DRY MIN. 2.0 mils DRY MAX. 4.0 mils

TOTAL SYSTEM: Refer to NAVSEA Standard Item 009-32

- (c) DRY TIMES (ASTM D 1640) –

Temperature (@ 50% R.H.)	Recoat	To Touch	To Handle	For Service
50°F	48 hours	2 hours	18 hours	18 hours
77°F	24 hours	1 hour	6 hours	6 hours
90°F	16 hours	45 minutes	4 hours	4 hours

- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS) – Standard airless spray, conventional spray, brush and roll

IF PLURAL COMPONENT EQUIPMENT IS REQUIRED, STATE SO – N/A

IF HEATED LINES ARE REQUIRED, STATE SO – N/A

(e) SPECIAL INSTRUCTIONS – Dry times are guidelines. Excessive film thickness, poor ventilation, and excessive humidity can cause deviation. See the Material Safety Data Sheet and product label for complete safety and precaution requirements.

REPAIR PROCEDURES IF THE OVERCOAT WINDOW HAS BEEN EXCEEDED: N/A