



Designation: F 718 – 99 (Reapproved 2005)^{ε1}

An American National Standard

Standard for Shipbuilders and Marine Paints and Coatings Product/ Procedure Data Sheet¹

This standard is issued under the fixed designation F 718; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

^{ε1} NOTE—Adjunct references were editorially corrected in April 2006.

1. Scope

1.1 The Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet² provides on one sheet needed information concerning the characteristics of a specific paint or coating to include generic description, physical properties, surface preparation requirements, application requirements, and safety. The front side of the sheet contains four major, numbered paragraphs and a highlighted section for *Special Safety Precautions*. These paragraphs are as follows:

- I. Generic Type and Description
- II. Manufacturers Data
- III. Properties
- IV. Surface Preparation Minimum Requirements

The back side of the page contains the following paragraphs:

- V. Mixing Procedure
- VI. Application.

1.2 The completed data sheets can be used by technical personnel to help evaluate the technical acceptability of a proposed material, by production personnel to evaluate production compatibility of proposed materials and to provide application instructions for selected paints and coatings materials, and by quality control personnel to verify attributes of materials.

2. Referenced Documents

2.1 ASTM Standards:³

- D 56 Test Method for Flash Point by Tag Closed Cup Tester
- D 93 Test Methods for Flash Point by Pensky-Martens Closed Cup Tester

D 523 Test Method for Specular Gloss
D 1650 Test Methods of Sampling and Testing Shellac Varnish⁴

D 2697 Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings

D 3278 Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus

2.2 ASTM Adjunct:

Shipbuilder's and Marine Paints and Coatings Product/Procedure Data Sheets²

2.3 U.S. EPA Method:⁵

24 U.S. Environmental Protection Agency, 40 CFR Ch. 1, Part 60, Appendix A, Determination of Volatile Matter Content, Density, Volume Solids, and Weight Solids of Surface Coatings

3. Instructions for Completing Data Sheet

3.1 When filling out the Product/Procedure Data Sheet (see **Figs. 1 and 2**) remember that the information contained therein will be utilized by both technical and production personnel. Keep it simple and brief but complete. The following instructions are organized by paragraph numbers contained within the data sheet. Also see the two examples attached (**Appendix X1**).

3.2 *Paragraph I—Generic Type and Description*—Use only known and industry-accepted generic descriptions. See **Fig. 1**.

3.3 *Paragraph II—Manufacturers Data*—This section is self-explanatory with the possible exception of subparagraph (f). This can be as complete or as brief as the concerned parties desire. For example, a separate attached list of compatible and incompatible topcoats or acceptable cargo exposures could be included. See **Fig. 1**.

3.4 *Paragraph III—Properties*—This section is also self-explanatory with the possible exception of subparagraph (a). If agreed upon by the concerned parties, a different method for

¹ This standard is under the jurisdiction of ASTM Committee F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.01 on Structures.

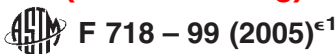
Current edition approved May 1, 2005. Published May 2005. Originally approved in 1981. Last previous edition approved in 1999 as F 718 – 99.

² Available from ASTM International Headquarters. Order Adjunct No. ADJF0718. Original adjunct produced in 1993.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁴ Withdrawn.

⁵ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401.



SHIPBUILDERS AND MARINE
PAINTS AND COATINGS
PRODUCT/PROCEDURE DATA SHEET NO. _____

Date: _____		Rev. _____
I. GENERIC TYPE AND DESCRIPTION: Specification Number (If Applicable): _____		
II. MANUFACTURERS DATA:		
(a) MANUFACTURER:	(b) PRODUCT DESIGNATION:	
(c) COLOR(S):	(d) USES:	
(e) TECHNICAL SERVICE REPRESENTATIVE (Include Telephone Nos.):	(f) NOT RECOMMENDED FOR:	
III. PROPERTIES:		
(a) % VOLUME SOLIDS (ASTM D 2697):	(b) FLASH POINT (ASTM TEST METHOD D 93): OR (ASTM TEST METHOD D 56): OR (ASTM TEST METHOD D 3278)	
(c) WEIGHT PER VOLUME (FTMS141a4184.1):	(d) SHELF LIFE:	
(e) VISCOSITY (FTMS141a4281):	(f) PACKAGING:	
(g) NUMBER OF COMPONENTS:	(h) GLOSS (ASTM D 523):	
(i) STORAGE REQUIREMENTS: TEMP. _____ MIN. _____ MAX. _____		
(j) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24):		
(k) WEIGHT OF DRY FILM (WEIGHT PER AREA AT A GIVEN THICKNESS)		
SPECIAL SAFETY PRECAUTIONS:		
IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS):		
(a) INITIAL -		
(b) TOUCH-UP -		
(c) PROFILE (INCLUDE METHOD USED) -	MIN. _____ MAX. _____	
(d) SPECIAL INSTRUCTIONS -		
(e) PRIMER REQUIREMENTS (IF APPLICABLE):		

(OVER)

FIG. 1 Data Sheet (Front)

determining volume solids (theoretical coverage) may be substituted. The form should be amended to show method. See Fig. 1.

3.5 *Special Safety Precautions*—This section should contain specific instructions of what to do in the event of skin or eye contact or accidental ingestion, or both. Reference should also be made to the appropriate manufacturer's Material Safety Data Sheet. See Fig. 1.

3.6 *Paragraph IV—Surface Preparation Minimum Requirements*:

3.6.1 *Subparagraphs (a) and (b)*—Use an agreed-upon standard that is, ASTM, SSPC, Swedish, NACE, SNAME, etc. See Fig. 1.

3.6.2 *Subparagraph (c)*—Profile data are optional. If used, the profile listed must be given as a range. The method of measurement must be agreed upon by all parties concerned, or this paragraph can be left blank and the type and size of abrasive(s) allowed entered in subparagraph (d), Special Instructions. See Fig. 1.

3.7 *Paragraph V—Mixing Procedure*—This section is self-explanatory with the possible exceptions of subparagraphs (c) and (f). Subparagraph (c) should preferably contain a generic solvent as opposed to a proprietary one. Subparagraph (f) should, as a minimum, contain the mesh size of the straining material and special procedures governing which component should be added to the other. Subparagraph (b), if applicable,

