

ASTM F 718

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

MS-375G

CONTINUATION SHEET USED: YES NO
Date: 20 Dec 2012

VI. APPLICATION:

(a) ENVIRONMENTAL LIMITATIONS:

SUBSTRATE TEMPERATURE: MIN. 40°F MAX. 110°F
MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT: 5°F
MAXIMUM PERCENT RELATIVE HUMIDITY: 85%
AMBIENT TEMPERATURE: MIN. 55°F MAX. 100°F

(b) FILM THICKNESS (SSPC PA2-73T) -

PER COAT:
WET MIN: N/A WET MAX: N/A
DRY MIN. N/A DRY MAX: N/A
SPREAD RATE: 25-35 ft²/gal

(c) DRY TIMES (ASTM D 1640):

Surface Temperature	40°F (4.4°C)	70°F (21.1°C)	90°F (32.2°C)	110°F (43.3°C)
Tack Free	N/A	N/A	N/A	N/A
Dry to Touch	20-24 hrs	10-12 hrs	5-6 hrs	3-4 hrs
Dry Hard	30-36 hrs	16-18 hrs	8-9 hrs	5-6 hrs
Dry to Handle*	72 hrs	24-30 hrs	12-15 hrs	6-8 hrs
Overcoat – Min**	N/A	N/A	N/A	N/A
Overcoat – Max**	N/A	N/A	N/A	N/A
Cure to Full Service	30 days	7 days	5 days	3 days
Top Coat with Color Topping***	30 days	30 days	30 days	30 days

* Minimum dry time before color top coat application of Visual Landing Aid Markings

** Except for seam overlap – over coating nonskid with nonskid for shipboard application is not authorized.

*** Apply color topping (Visual Landing Aid markings) prior to placing newly applied nonskid into service.

(d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS): Phenolic hard core roller with extended handle; #3/4", 3/4 HP, 450 RPM power mixer capable of mixing heavy, mastic materials.

IF PLURAL COMPONENT EQUIPMENT IS REQUIRED STATE SO: N/A

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

(e) SPECIAL INSTRUCTIONS: **NOTE:** 1) Do not apply when deck temperature is under 40°F or over 110°F. 2) At time of application, in accordance with NAVSEA Standard Item 009-32 MATERIAL TEMPERATURE should be no lower than 70°F or higher than 80°F. 3) Caution should be taken that the surface temperature is at least 5°F above the dew point at application. 4) MS-375G is formulated to be applied within the parameters listed on this document. NAVSEA Standard Item 009-32 applications may adjust the environmental and application procedures recommended by this ASTM-F718.

REPAIR PROCEDURES IF THE OVERCOAT WINDOW AS BEEN EXCEEDED FOR **CRITICAL** APPLICATIONS: Please refer to NAVSEA Standard Item 009-32 and NSTM Chapter 634 Guidelines for secondary surface preparation after 36 hours.

REPAIR PROCEDURES IF OVERCOAT WINDOW HAS BEEN EXCEEDED FOR **NON-CRITICAL** APPLICATIONS: If less than 7 days has elapsed since the application of the primer, a proprietary nonskid or color topping 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 in accordance with SSPC-SP 1. Apply the proprietary nonskid or color topping after surfaces are completely dried.

If more than 7 days but less than 30 days has elapsed since the application of the proprietary primer coat, the entire surface shall be cleaned in accordance with SSPC-SP 1. Ensure the surface has fully dried, then lightly abrade with abrasive blast, power sanding, or hand sanding using 80-120 grit sandpaper. Perform a solvent wipe of the abraded surface and then apply a tack coat (2-3 MILS/ 50-75 MICRONS WFT) of proprietary primer. The tack coat shall be allowed to cure until dry to handle before applying a proprietary nonskid or color topping. For application, mixing, and cure time guidance of the proprietary primer refer to the appropriate ASTM F-718.

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ADDITIONAL DATA/INSTRUCTIONS:

II. MANUFACTURERS DATA:

ADD ADDITIONAL COMMENTS FROM PART II HERE:

III. PROPERTIES:

ADD ADDITIONAL COMMENTS FROM PART III HERE:

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

ADD ADDITION COMMENTS FROM PART IV HERE:

V. MIXING PROCEDURES

ADD ADDITIONAL COMMENTS FROM PART V HERE:

VI. APPLICATION REQUIREMENTS

ADD ADDITIONAL COMMENTS FROM PART VI HERE:

WARRANTY DISCLAIMER: The technical data supplied herein has been compiled for the applicator's assistance and guidance and is based on experience and knowledge. However, as a manufacturer, we have no control over the use to which this information is put, no warranty, expressed or implied, is intended or given.