
NAVSEA REVIEWED ASTM F-718

AkzoNobel Powder Coatings

Interpon 100 Epoxy Based Powder Coatings

PRODUCT DESIGNATIONS

AA005U, AA007U, AG005QF, AL003QF, AL003QF, AK007QF, AL104U, AN104U

MIL-PRF-24712

MIL-PRF-23236

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 <http://qpldocs.dla.mil/search/default.aspx>.

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

NSWCPD

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ASTM F 718

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

CONTINUATION SHEET USED: ☐ YES ☐ NO

Date: 11/2016

Rev. A1

I. GENERIC TYPE AND DESCRIPTION: Interpon 100 epoxy based powder coatings, AA005U, AA007U, AG005QF, AL003QF, AL003QF, AK007QF, AL104U, AN104U . Specification Number: MIL-PRF-24712B Type 1 Class 4; MIL-PRF-23236D Type VIII, Class VII	
II. MANUFACTURERS DATA: (a) MANUFACTURER: AkzoNobel Powder Coatings, 20 Culvert Street, Nashville, TN 37210 (b) PRODUCT DESIGNATION: Epoxy Powder Coatings (c) COLOR(S): AA005U and AA007U Whites, AG005QF (Fed Std#11105), AL003QF (Cloud Grey), AK007QF (Fed Std #14062), AL104U (#26307) , AN104U (#37038) (d) USES: Ballast tanks, interior areas above and below waterline, immersion grade epoxy powder (e) TECHNICAL SERVICE REPRESENTATIVE 1-615-249-2430 (or contact your local AkzoNobel Powder Coating representative) (f) NOT INTENDED FOR USE IN: Potable Water, Fuel and CHT tanks	
III. PROPERTIES: (a) % Volume Solids (ASTM D2697): >98% (b) FLASH POINT: N/A (c) SPECIFIC GRAVITY (ASTM D792): 1.35 - 1.77 +/- 0.05 g/cm ³ depending upon color (d) SHELF LIFE: 12 months when stored in unopened container at <75°F (e) VISCOSITY (ASTM D562): N/A (f) PACKAGING: 50 lb box, 250 lb drum (g) NUMBER OF COMPONENTS 1 (h) GLOSS 80 minimum at 60° for AA005U, AA007U, AG005QF, AL003QF, and AK007QF (i) GLOSS 35 – 48 at 60° for AL104U and AN104U (j) STORAGE REQUIREMENTS Interpon 100 powder coatings should be kept in a cool, dry area at temperature below 75°F. When not in use, store powder in sealed containers. (k) COVERAGE at 1.0 mil: 108.6 – 142.0 sq. ft. / lb. / mil depending upon color (l) WEIGHT of DRY FILM (WEIGHT PER SQ FT at 1.0 MILS): 0.0070-0.0092 lbs/sq ft/mil depending upon color (m) VOCS- EPA TEST METHOD 24): N/A (n) SPECIAL PROPERTIES: Edge coverage, corrosion resistant, chemical resistant	
SPECIAL SAFETY PRECAUTIONS: PLEASE REFER TO MATERIAL SAFETY DATA SHEET	
IV. SURFACE PREPARATION MINIMUM REQUIREMENTS: a) SPECIAL INSTRUCTIONS: Surface Preparation SSPC-SP 10 recommended b) PRIMER REQUIREMENTS: Not Required	

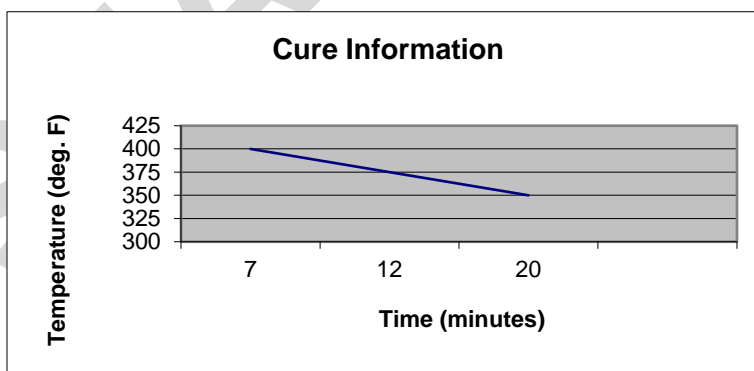
V. MIXING PROCEDURE

(a) MIXING RATIO:	BY WEIGHT	N/A
	BY VOLUME	N/A
(b) INDUCTION TIME		N/A
(c) RECOMMENDED SOLVENT(s)	THINNING:	N/A
	CLEAN UP:	N/A
(d) THINNING REQUIREMENTS		N/A
(e) POT LIFE:		N/A
(f) SPECIAL INSTRUCTIONS:	Powder Coating is applied with electrostatic spray guns	

VI. APPLICATION:

(a) ENVIRONMENTAL LIMITATIONS:	Temperature: 68°F to 80°F
	Humidity: 47% - 55%
(b) EQUIPMENT:	Electrostatic spray gun, conventional corona-charging spray gun.
(c) GUN to PART DISTANCE	8-10 inches recommended
(d) RECLAIM	Overspray powder can be reclaimed, conditioned and reused.
(e) POWDER APPLICATION	Minimize powder flow rate, gun voltage, gun current, booth airflow velocity, and hose length.
(f) FILM THICKNESS (SSPC PA2-73T) -	ONE COAT:
	DRY MIN. 2 mils DRY MAX. 4 mils
(g) CURE TIME (ASTM D1640):	See below Graph
(h) REWORK	Recoating a cured part is not recommended for epoxies.
(i) SPECIAL INSTRUCTIONS:	Cure temperature is referring to part temperature (not just oven air temp) for required time at temperature

Interpon 100 Cure Time / Temperature



The technical data given herein has been compiled for your assistance and guidance. It is based upon our experience and knowledge. However as we have no control over how the powder is applied, no warranty, expressed or implied, is intended or given.