

SELECTION DATA

GENERIC TYPE : Single package, cuprous oxide filled insoluble matrix.

GENERAL PROPERTIES : Longlife antifouling which offer protection from marine fouling. It has a high content of a combination of bio-active materials providing an effective and extended protection against shell and weed fouling.

RECOMMENDED USES : For prevention of marine growth on ships, barges, tugboats and offshore equipment.

NOT RECOMMENDED FOR : Application directly over steel or zinc primers.

TEMPERATURE RESISTANCE : (Non-immersion)
Continuous : 160°F(71°C)
Non-continuous : 190°F(88°C)

FLEXIBILITY : Good

WEATHERING : Good

ABRASION RESISTANCE : Very Good

SUBSTRATES : Surfaces should be coated with anticorrosive primer before applying antifouling. Wooden surfaces should be dry and free of old loose paint.

TOPCOAT REQUIRED : A second coat is normally recommended to provide a longer service life.

COMPATIBILITY WITH OTHER COATINGS : May be applied over vinyls, epoxies, epoxy-tar, chlorinated rubbers and others as recommended.

SPECIFICATION DATA

THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL :

Carboline Antifouling 1240-11 **By Volume**
55% ± 1%

RECOMMENDED DRY FILM THICKNESS PER COAT :
2-3 mils (50-75μ)

THEORETICAL COVERAGE PER MIXED GALLON* :
878 mil sq. ft. (22.0 m²/ℓ @ 25μ)
439 sq. ft. at 2 mils (11.0 m²/ℓ @ 50μ)
209 sq. ft. at 3 mils (5.2 m²/ℓ @ 75μ)

***NOTE :** Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.

SHELF LIFE : 12 months minimum

COLORS : Red Oxide and Brown.

GLOSS : Flat

ORDERING INFORMATION

Prices may be obtained from Carboline Sales Representative or Main Office.

SHIPPING WEIGHT :

	<u>1's</u>	<u>5's</u>
Carboline Antifouling 1240-11	16.5lbs. (7.5 kg)	88 lbs. (40 kg)
Carboline Thinner #10	9 lbs. (4.1kg)	45 lbs. (20.4 kg)

FLASH POINT : (Pensky-Martens Closed Cup)

Carboline Antifouling 1240-11	78°F(26°C)
Carboline Thinner #10	77°F(25°C)

APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS : Remove any oil or grease from surface to be coated with clean rags soaked in Carboline Thinner #2 or Toluol.

Steel : The anticorrosive shall be properly cured and be free of surface contamination and moisture to ensure adhesion. Touch up all damaged and bare areas with the recommended anticorrosive system prior to application of the antifouling.

Wood : Apply over clean and dry surface.

Mixing : Mix thoroughly to uniform consistency. Thinning is not normally required, but may be thinned up to 5% by volume with Carboline Thinner #10.

APPLICATION TEMPERATURES :

	<u>Material</u>	<u>Surfaces</u>
Normal	60-90°F(10-32°C)	60-90°F(16-32°C)
Minimum	40°F(4°C)	35°F(2°C)
Maximum	100°F(38°C)	150°F(67°C)

	<u>Ambient</u>	<u>Humidity</u>
Normal	50-100°F(10-38°C)	35-80%
Minimum	35°F(2°C)	0%
Maximum	110°F(43°C)	90%

Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Special thinning and application techniques may be required above or below normal conditions.

SPRAY : Use adequate air volume for correct operation.

Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later.

NOTE : The following equipment has been found suitable, however, equivalent equipment may be substituted.

Conventional : Use a 3/8 " minimum I.D. material hose. Hold gun 8-10 inches from and right angles to the surface.

<u>Mfr. & Gun</u>	<u>Fluid Tip</u>	<u>Air Cap</u>
Binks #18 or #62	66	66PB
DeVilbiss P-MBC or JGA	E	704
	Approx..070" I.D.	Approx..9-10 cfm@30 psi

Airless : Use a 3/8 " minimum I.D. material hose. Hold gun 12-14 inches from and at a right angle to the surface.

<u>Mfr. & Gun</u>	<u>Pump*</u>
DeVilbiss JGB-507	QFA-514 32 : 1
Graco 205-591	Bulldog 30 : 1
Binks Model 500	Jupiter 8D 35 : 1

*Teflon packings are recommended and are available from manufacturer.

Use a .021 " tip with 2000 psi.

ROLLER : Spray application is recommended. However, application by roller is acceptable. Caution should be taken to apply a uniform coat.

DRYING TIMES : @ 2 mil (50µ) DFT at 50% R.H.

<u>Temperature</u>	<u>Dry to Recoat</u>	<u>Final Cure</u>
35°F(2°C)	10 Hours	16 Hours
50°F(10°C)	6 Hours	10 Hours
75°F(24°C)	4 Hours	6 Hours

CLEAN UP : Use Carboline Thinner #2 or xylol.

STORAGE CONDITIONS :

Temperature : 40-110°F(4-43°C)
Humidity : 0-100%

For more detailed information please consult specific Carboline Application Guides.

NOTE : Carboline Antifouling 1240-11 contains cuprous oxide. This material is poisonous if taken orally. Avoid contact with mouth and throat.

CAUTION: CONTAINS FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST. WORKMEN SHOULD BE REQUIRED TO USE NONFERROUS TOOLS AND TO WEAR CONDUCTIVE AND NONSPARKING SHOES.

