

SELECTION DATA

GENERIC TYPE : Tin free antifouling paint with self polishing action in service and long protection against marine organism based on specific vehicle composition.

GENERAL PROPERTIES : A high solid tin free antifouling with a high content of copperous oxide and other organic biocides. Provide the most cost effective system to meet operating conditions and service requirements. Compatible with a wide range of existing bottom system.

RECOMMENDED USES :

For use on vessels which the use of tin based biocides is precluded

TEMPERATURE RESISTANCE : (Non-immersion)

Continuous : 150 (65)
Non-continuous : 176 (80)

SUBSTRATES : Properly primed steel using standard under water anti-corrosive coatings.

TOPCOAT REQUIRED : Two or three coats of Carboline Antifouling 1240-50 TF is recommended, depending upon specification requirements.

SPECIFICATION DATA**THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL :**

By Volume
Carboline Antifouling 1240-50 TF 55% ± 2%

RECOMMENDED DRY FILM THICKNESS PER COAT :

4-5 mils (100-150 microns)

THEORETICAL COVERAGE PER MIXED GALLON :

882 mil sq. ft. (22 sq. m²/ l at 25 miron)
221 sq. ft. at 4 mils (5.5 sq. m²/ at 100 miron)

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 and L/Red.

ORDERING INFORMATION

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

APPROXIMATE SHIPPING WEIGHT :

| | <u>1's</u> | <u>5's</u> |
|----------------------------------|-------------------|---------------|
| Carboline Antifouling 1240-55 TF | 16.5 lbs.(7.5 kg) | 75 lbs.(36kg) |
| Carboline Thinner #10 | 9 lbs. (4.1kg) | 40 lbs.(18kg) |

FLASH POINT : (Pensky-Martens Closed Cup)

| | |
|----------------------------------|----------|
| Carboline Antifouling 1240-50 TF | 74 (23) |
| Carboline Thinner #10 | 83 (28) |

APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS : Remove any oil or grease from surface to be coated with clean rags soaked in Carboline Thinner #2 in accordance with SSPC-SP 1.

Steel : Primed surface must be clean, dry and free of any contaminants that may affect adhesion.

Mixing : Power mix to a uniform consistency. If required, thin up to 10% by volume with Carboline Thinner #10.

Note : Use of thinners other than those supplied or approved by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

APPLICATION TEMPERATURES :

| | <u>Material</u> | <u>Surfaces</u> |
|---------|-----------------|-----------------|
| Normal | 60-90 (16-32) | 60-90 (16-32) |
| Minimum | 50 (10) | 40 (4) |
| Maximum | 110 (43) | 130 (54) |
| | <u>Ambient</u> | <u>Humidity</u> |
| Normal | 60-90 (16-32) | 0-80% |
| Minimum | 40 (4) | 0% |
| Maximum | 110 (43) | 85% |

Do not apply when the surface temperature is less than 5 (3) above the dew point.

Special thinning and application techniques may be required above or below normal conditions.

SPRAY : Use sufficient air volume for correct operation of equipment.

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

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

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

| <u>Mfr. & Gun</u> | <u>Fluid Tip</u> | <u>Air Cap</u> |
|------------------------|------------------|----------------|
| DeVilbiss P-MBC or JGA | E | 704 |
| Binks #18 or #62 | 66 | 63PB |
| | approx..070"ID. | |

Airless : Use a 3/8 " minimum I.D. material hose. Hold gun 18-20 inches from the surface and at a right angle to the surface.

| <u>Mfr. & Gun</u> | <u>Pump*</u> |
|-----------------------|----------------|
| DeVilbiss JGN-507 | QFA-519 32 : 1 |
| Graco 205-591 | Bulldog 30 : 1 |
| Binks Model 700 | b8-36 37 : 1 |

*Teflon packings are recommended and are available from manufacturer.

Use a 0.019-0.031 " tip with 2000 psi.

BRUSH OR ROLLER : Recommended for touch-up only.

| <u>Temperature</u> | <u>Dry to Recoat</u> | <u>Final Cure</u> |
|--------------------|----------------------|-------------------|
| 50 (10) | 8 Hours | 18 Hours |
| 68 (20) | 5 Hours | 12 Hours |
| 86 (30) | 4 HourS | 10 Hours |

DRYING TIMES :

CLEAN UP : Use Carboline Thinner #2 or #10.

STORAGE CONDITIONS :

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

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.

