



Supermarine AF Ionex 094 uses specially selected raw materials, which give the property "tin-free" of self-polishing, with excellent protection against fouling by the smoothing/erosion of the paint film. Promotes consistent and controlled film paint surface renewal due to hydrolysis of the polymer.

TECHNICAL CHARACTERISTICS

TYPE

One component antifouling paint organometallic polymers based.

USAGE

Recommended for ship's flat bottom and vertical areas. Suitable for static and dynamic conditions.

TECHNICAL INFORMATIONS

COLOR	Red, Black, and Blue	
FINISH	Satin	
VOLUME SOLIDS	51% ± 2	According to ISO 3233
WEIGHT PER LITER	1,830 ± 0,05 g/ml	According to ASTM D 1475
FLASH POINT	> 25°C	
THEORETICAL SPREADING RATE	5,1 m ² /l - 100 µm	
WET THICKNESS	196 µm	
DRY THICKNESS	100 µm	
DRYING TIME, for 100 µm	25°C	

	Minimum	Maximum
Touch		1 h
Handle		4 h
Recoat	10 h	

ENVIROMENTAL CONDITIONS	Temperature	Should be between 0 to 40°C
	Relative Humidity	Between 30 to 85%
	Dew Point	Surface temperature is at least 3°C above dew point
	Thinner	499.0000

APPLICATION	Brush	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.
	Roller	Dilute up to 10% (vol.) with recommended thinner. Must be used solvent resistant roller (sheep wool). The wool must be cutted (small size) to avoid blistering during the application.
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 19 to 23 and pump pressure between 175 to 210 kgf/cm ² (2490 to 2990 psi).

SURFACE PREPARATION	Direct over carbon steel	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants, and and coated with the recommended primer.
	Coated Surfaces	The surface must be clean and free of contaminants as oils, fat, grease and dust. Must not present peeling's areas. Proceed light sanding (220) to break the gloss.

	Recommended Primers	Please contact our technical department.
	Recommended TopCoat	Not applicable



SHELF LIFE	6 months
UN NUMBER	1263
HAZARD NUMBER	33

IMPORTANT RECOMMENDATIONS

1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.
 2. The erosion rate depends on the temperature of the sea water, the ship's speed, of operating regions , etc.
 3. Do not discard the used packaging , rollers , brushes or other equipment at sea.
 4. Due to the high concentration of Cuprous Oxide - typically red - the blue version of this product presents non clear color.
 5. Minimum interval for release in water (flooding) after the last coat of AF is 10 h and the maximum is 10 days.
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SAFETY PRECAUTIONS

1. Improper use and handling of this product can be hazardous to health and cause fire or explosion. Do not use it without first taking all appropriate measures to prevent property damage and injuries.
 2. Storage: keep the product in sheltered, well-ventilated areas. Maximum temperature: 40°C. Must not be directly exposed to the sun.
 3. Flammable: flammable product, which must be kept distant from ignition sources, and do not smoke nearby.
 4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.
 5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or drink nor allow children and animals to be near the application area.
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HEALTH HAZARDS

1. Skin contact: wash affected area thoroughly with neutral soap.
2. Clothing contact: remove clothing and wash it.
3. Leakage: Isolate the area, and do not smoke nearby. If large quantity leaked in confined area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust or soil, and transfer liquid and solid to separated recipients for disposal.
4. Fire: protect non-affected recipients with water spray. Extinguish fire using carbon dioxide, foam or dry chemical.
5. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes, and get medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).
