



ULTRACOTE 1250 AF

(Paints & Coatings)

HEAVY DUTY, HIGH PERFORMANCE

GENERIC CLASS: Chlorinated rubber resin based composition with organo-tin compound and copper oxide as bioxide.

PRODUCT DESCRIPTION: Ultracote 1250 AF performs excellent long term protection of steel hulls and bottom against marine growth in tropical water. Ultracote 1250 AF is fast drying, tough and water abrasion resistance and exhibits excellent adhesion to various anti-corrosive coatings. The life expectancy when applied at recommended number of coats is 18-24 months.

TYPICAL USES: Ultracote 1250 AF is recommended for prevention of marine growth and fouling on barges, ships bottoms and hulls, tug boats and offshore structures.

LIMITATIONS: Not suitable for coating directly to steel.

CHEMICAL RESISTANCE GUIDE:

<u>Exposure</u>	<u>Immersion</u>	<u>Splash & Spillage</u>	<u>Fumes</u>
Acids	NR	Fair	Good
Alkalies	NR	Fair	Good
Solvents	Poor	Poor	Fair
Salts	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent

TEMPERATURE RESISTANCE: (Dry Basis)

Sustained	:	160°F (71°C)
Intermittent	:	200°F (93°C)

WEATHERING: Excellent. Conform to salt spray (fog test) ASTM B117-73).

FLEXIBILITY: Excellent. ASTM D522-60.0

ABRASION RESISTANCE (Water): Excellent

ADHESION: Very Good. Conform to ASTM D3359 Method B.

SUBSTRATES: Apply over recommended anti-corrosive coatings, coal tar epoxies and others as recommended.

TOPCOAT: None required. May be topcoated by itself.

COMPATIBILITY WITH OTHER COATINGS: May be applied over most chlorinated rubbers, vinyls, epoxies and coal tar epoxies.

CALCULATED VOLUME SOLIDS:

Ultracote 1250 AF 42±2%

RECOMMENDED DRY FILM THICKNESS PER COAT:

2 - 4 mils (50 - 100 microns)

CALCULATED COVERAGE PER GALLON:

673.7 sq. ft. per mil (16.5 sq. m./ li. @ 25 microns)
 336.8 sq. ft. @ 2 mils (8.27 sq. m./ li @ 50 microns)
 168.4 sq. ft. @ 4 mils (4.13 sq. m./ li @ 100 microns)

NOTE: Assume loss factor when estimating job requirements at prevailing condition.

SHELF LIFE: 12 months. Turn stock upside down every 3-4 months.

COLORS: Red Oxide and Black.

FINISH: Flat and Semi-gloss.

COMPONENT: One

FLASH POINT: (Pensky-Martens Closed-Cup)
 Ultracote 1250 AF 90°F (32.2°C)

SURFACE PREPARATION: It is recommended that surfaces to be coated shall be clean, free from dirt, grease, oils and other contaminants. Clean with rags soaked with Ultracote Thinner #2 or toluol.

CARBON STEEL: The anti-corrosive shall be properly cured and free of surface contamination and moisture to ensure adhesion. Touch up all damaged and bare areas with the recommended anti-corrosive system prior to application of the anti-fouling.

WOOD: Apply over clean and dry surface.

WELDING: Welding should precede coating. In the event welding or flame cutting is performed on metal already coated with this product, do so in accordance with the latest instruction in USA Standard Z49:1 "Safety in welding and cutting". All welded, burned or otherwise damaged areas should be cleaned to base metal, prepared and recoat as specified.

MIXING: Stir very thoroughly before use and occasionally during application making sure no pigment remains on the bottom of the can.

NOTE: This product contains cuprous oxide and is poisonous if taken orally. Avoid contact with mouth and throat.

THINNER: No thinner required. Apply as supplied.

APPLICATION TEMPERATURES:

Material : 45-100°F (7-38°C)
Surfaces : 35-150°F (2-67°C)
Ambient : 35-100°F (2-43°C)
Humidity : 0-95%

Application at air and surface temperatures lower than 100°F (43°C) and above 35°F (2°C) and more than 5°F (2°C) above the dew point is suggested.

SPRAY TECHNIQUE: 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 extra pass later.

APPLICATION EQUIPMENT: Airless and Conventional Spray, brush and rollers.

CONVENTIONAL SPRAY: Use 3/8" I.D. minimum material hose and 5/16" air hose. Hold gun 8-10 inches from the surface at perpendicular position. Binks #18 or 62 with fluid tip of 66 and air cap of 66 PB. DeVilbiss P-MBC or JGA model with fluid tip E and air cap of 704.

AIRLESS SPRAY: Use 1/4" I.D. minimum material hose and 3/8" air hose. Hold gun 12-14 inches from the surface at perpendicular position. DeVilbiss JGB-507 with pump QFA-514 at 32:1 ratio or Graco 205-591 with pump Bulldog 30:1 or Binks model 500 with pump Jupiter 8D 35:1 ratio. Use a .021" tip with 2,000 psi. pressure. Teflon packings are recommended for best performance.

ROLLER/SPRAY: Spray application is recommended for best results. However, brush or roller application is acceptable. Caution should be taken to apply uniform coat.

DRYING TIME:

To Touch : 60 to 90 mins. @ 90°F (32°C)
and longer at lower temperature.
To Recoat : 3-4 hrs. @ 90°F (32°C)
To Handle : 3 hrs. @ 90°F (32°C)
Final Cure : 6 hrs. minimum weathering limit
before floating.

CLEAN-UP: Use Ultracote Thinner #2 or xylol.

STORAGE CONDITION:

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

NOTE: Store in a covered area.

PACKAGING: Gallon (3.785 liters)
Pail (4 & 5 Gallons)

SAFETY INFORMATION: This product (and any recommended thinners) contains solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during storage, handling, application and curing. Keep away from sparks, heat and open flame and use necessary safety equipment such as air mask, non-sparking tools and ladders, etc. When working in tanks, rooms and other enclosed spaces, adequate ventilation must be provided. Keep out of reach of children.

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Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Ultracote Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.

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