



ULTRACOTE AL 62

(Modified Alkyd Self-Priming)

(Paints & Coatings)

HEAVY DUTY, HIGH PERFORMANCE

GENERIC CLASS: Modified alkyd and coumarone - indene resin with aluminum paste pigment.

PRODUCT DESCRIPTION: Ultracote AL-62 is a high reflectance metallic aluminum finish for protection against weather, heat and mild fumes. It is formulated to have outstanding adhesion, flexibility and repair properties. Conforms to AWWA Specification D102-78 for exterior aluminum finishes.

TYPICAL USES: Ultracote AL-62 is recommended for all interior and exterior of metal or wood surfaces, where a high aluminum finish is required. It is suggested for atmospheric protection of plant equipment, air conditioning equipment, sewage plants, pulp and paper industry, mining, offshore structures and deck, railing and superstructures of ocean going vessels.

LIMITATIONS: Not recommended for immersion service, or splash and spillage of acid, solvents, alkalis and other corrosive chemicals.

CHEMICAL RESISTANCE:

Acids: Not resistant against splashes and spillage of commonly encountered acids such as:

* Hydrochloric acid, Sulfuric acid, Nitric acid

Alkalis: Not resistant against splashes and spillage of commonly encountered alkalis solution such as:

* Sodium hydroxide, Ammonium hydroxide

Solvents: Unaffected by splashes, spillage of alcohol and aliphatic hydrocarbon, Aromatic hydrocarbon, chlorinated hydrocarbon, esters and ketones attack the paint film.

Inorganic Salt: Can withstand splashes and spillage of common salt solutions such as those of: Sodium chloride, Calcium chloride

Oils and Fats: Resistant against splashes and spillage of vegetable oils e.g. palm oil and mineral oils e.g. kerosene.

TEMPERATURE RESISTANCE: (Dry Basis)

Sustained : 300°F (149°C)

Intermittent : 400°F (204°C)

FLEXIBILITY: Excellent

WEATHERING: Excellent

IMPACT RESISTANCE: Good

ABRASION RESISTANCE: Very Good

HARDNESS: Very Good. 4B-5B Pencil Hardness

SUBSTRATES: Apply over properly primed metals, concrete surfaces, woods, old coatings or others as recommended.

TOPCOAT: Normally no topcoating required. Additional coating will increase service life.

COMPATIBILITY WITH OTHER COATINGS: May be applied over most generic primers.

CALCULATED VOLUME SOLIDS:

Ultracote AL 62 Primer 37± 2%

RECOMMENDED DRY FILM THICKNESS PER COAT:

1.5 - 2.0 mils (37.5 - 50 microns)

CALCULATED COVERAGE PER GALLON:

593.5 sq. ft. @ 1 mil (4.6 sq. m./ li. @ 25 microns)

396 sq. ft. @ 1.5 mils (9.72 sq. m./ li @ 37.5 microns)

297 sq. ft. @ 2.0 mils (7.3 sq. m./ li. @ 50 microns)

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

SHELF LIFE: 12 months from date of manufactured. (Turn stock upside down every 4 months)

COMPONENT: One

FINISH: Bright aluminum luster

COLOR: Aluminum

POT LIFE: Not applicable.

FLASH POINT: (Pensky-Martens Closed Cup)
Ultracote AL-62 103°F (39°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 # 12 or toluol.

CARBON STEEL: Apply over clean and dry recommended primer and / or tie coat.

ALLOY STEELS AND NON-FERROUS METALS: Chemically clean surfaces in accordance to SSPC-SP-1 (Solvent Cleaning). Abrasive “brush” blast to provide a lightly profiled and etched surfaces.

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 instructions 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 recoated as specified.

CONCRETE AND MASONRY: Apply over clean and dry recommended alkali resistant primer and / or tie coat.

WOOD: Apply directly to substrate.

MIXING RATIO: Mix content very thoroughly to uniform consistency before use and occasionally during its application.

THINNER: Thin up to 5% by volume with Thinner # 63 or Thinner # 45.

APPLICATION TEMPERATURES:

Material	:	35 - 120°F (2 - 24°C)
Surfaces	:	35 - 165°F (2 - 74°C)
Ambient	:	35 - 120°F (2 - 49°C)
Humidity	:	0 - 98%

NOTE: Do not apply when the surface temperature is less than 5°F (2°C) above the dew point.

SPRAY TECHNIQUE: Use sufficient air for correct operation. Hold gun perpendicular to the surface approximately 8 - 10 inches distance from he surface. Use multiple pass of the gun to obtain required thickness and use a 50% overlap each pass.

SPRAY EQUIPMENT RECOMMENDED:

Conventional Spray:

- DeVilbiss MBC-510 Gun, “E” Fluid Tip, #704, #765, or # 78 Air Cap
- Binks #18 Spray Gun, 66 Tip, 66PE or 63PB Nozzle
- Approx. .043” ID

Airless Spray: Use 3/8” minimum ID material hose.

- DeVilbiss JGB-507, QFA-514 Pump
- Graco 205-59, President 30:1 or Bulldog 30:1 Pump
- Binks Model 500, Mercury 5C Pump

Teflon packing are recommended. Use a .013” - .017” tip with 2,000 psi.

BRUSH OR ROLLER: Use medium bristle brush or short nap roller.

DRYING TIME:

To Touch	:	1 hr. @ 90°F (32°C) and longer at lower temperature
To Recoat	:	3 - 4 hrs. @ 90°F (32°C)
To Handle	:	4 hrs. @ 90°F (32°C)
Final Cure	:	24 hrs. @ 90°F (32°C)

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

STORAGE CONDITION:

Temperature	:	35 - 110°F (2 - 32°C)
Humidity	:	0 - 100 %

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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