



Jack Tar® 100% Phenolic Marine Spar Varnish 470-31

Phenolic Varnish

PRODUCT DESCRIPTION
TYPICAL USES
PRODUCT ADVANTAGES
COLORS
GLOSS
PHYSICAL CONSTANTS
APPLICATION
SHIPPING & STORAGE

A premium quality, high gloss clear finish containing 100% phenolic varnish formulated for marine use. Lead, mercury and chromate free.

For industrial, commercial, marine and residential use on exterior weather exposed wood or metal surfaces. For use on a wide variety of substrates such as wood trim, hatches, doors and spars.

Jack Tar® 100% Phenolic Marine Spar Varnish is a high gloss, clear varnish for use where a heavy duty, tough, water repellent, mar resistant finish is desired. Formulated for marine use. Contains 100% phenolic varnishes for maximum durability and water resistance. Easy to apply. Lead, mercury and chromate free.

Clear (See note on back)

Gloss

Nonvolatile - By weight - 50.5 ± 1.0%
By volume - 44.3 ± 1.0%

VOC (Calculated) - 3.57 lbs./gal.
428 grams/liter

Flash Point - 105°F (Setaflash)

Weight per gallon - 7.21 ± 0.2 lbs.

Recommended Film Thickness - 1.0 mils dry, 2.3 mils wet

Theoretical Coverage @ 1.0 mils dry - 711 sq. ft./gal

Method - Brush, flat applicator or spray

Thinner - Thinning not recommended

Dry time @ 75°F - To touch - 2 hours
To handle - 6 hours
To recoat - 12 hours

Consists of - 1 Gallon Unit 5 Gallon Unit
Unit Shipping Weight 8 lbs. 40 lbs.

Shelf Life - 12 months minimum from date of manufacture when maintained in protected storage @ 40-100°F (subject to reinspection thereafter).

APPLICATION INSTRUCTIONS

Consult your Mobile Paint Representative for the protective coating system best suited for your requirements.

Limitations: Apply in good weather when air and surface temperatures are above 40°F and surface temperature is at least 5°F above the dew point. For optimum application properties, material should be between 70 to 100°F prior to mixing and application. Maintain unmixed material in closed containers in protected storage at 40 - 100°F. **NOTE:** Phenolic resins have a characteristic amber color. This product is not recommended for use where this amber color would be undesirable, such as over a colored stain or paint.

Surface Preparation: Good surface preparation is essential to a satisfactory coating system. Surfaces to be coated must be clean and dry. Remove all dust, dirt, oil, wax, polish and any other surface contamination.

New or Unfinished Surfaces: Wood - New wood should be sanded with fine sand paper following with the grain. Remove all sanding dust by vacuuming and/or dusting the surface with a "tack" cloth. Fill knot holes and cracks with the appropriate putty or filler. Sand the filled areas smooth and remove dust. Stain if desired with NUWOOD® Penetrating Wood Finish 71-series for interior surfaces or with Weather Protector® Exterior Oil Stain and Wood Preservative for exterior surfaces. Experiment with scrap wood to determine the suitability of the finish. **Ferrous metal:** Remove rust and prime with RUS-KIL® Rust Inhibiting Primer 10-series followed by the desired RUS-KIL® Rust Inhibiting Enamel color (See "note" in limitations above). For clear finish on metal, all rust should be removed by sanding or other effective means.

Previously Finished Surfaces - Repair all damaged areas. Remove loose and badly cracked paint by wire brushing, scraping, sanding or other method to provide a sound surface. Sand smooth all rough areas and feather edge areas of peeled coatings. Remove gloss from previous coatings by sanding. Spot prime all bare areas with the appropriate primer. Since this is a clear finish, previous finishes must be in good condition before coating. If the previous finish is not in good condition it must be completely removed and the surface finished as in new surfaces. If surface was previously coated with Jack Tar® 100% Phenolic Marine Spar Varnish and is in good condition, sand lightly to remove gloss and touch up bare areas with Jack Tar® 100% Phenolic Marine Spar Varnish. If doubt exists concerning compatibility

of this coating with the previous system, apply coating to a representative area (25 square feet minimum) and allow to cure and age several weeks. Then inspect for adhesion failure, wrinkling, lifting, blistering or any other sign of incompatibility. If there are no signs, coating work can proceed.

Mixing: This is a one component coating. Always hand mix thoroughly with a paddle before application. Do not mix excessively to avoid entraining air in the coating.

Thinning: Thinning is not recommended. Clean Air Regulations may not allow thinning of this product for certain uses. Do not thin beyond applicable regulations.

Application: Apply by brush, lambswool applicator or conventional or airless spray. Roller application is not recommended. Apply at 2.3 mils wet film thickness which will yield 1.0 mils dry film thickness.

Equipment: Brush - Use a good quality bristle brush. Conventional spray - For suction feed, use DeVilbiss MBC gun with E tip and needle and 30 air cap or equivalent at 35-40 psi atomizing pressure. For pressure feed, use DeVilbiss MBC gun with E tip and needle and 704 air cap or equivalent at 35-40 psi atomizing pressure and 5-8 psi fluid pressure, 3/8" ID material hose, double regulated pressure tank with oil and moisture separator. Airless Spray - Minimum of 28:1 ratio pump, .011"-.013" orifice tip, 1/4" ID material hose.

Cleanup: Clean all equipment immediately after use with MoPaxOI® Thinner 75-1 or mineral spirits. Completely flush all spray equipment with either of these solvents. Occasional flushing of spray equipment during the course of the working day helps prevent buildup and possible clogging.

Safety: Safe storage, handling and use dictate that adequate health and safety precautions be observed with this product and any recommended thinners. User is specifically directed to consult the current Material Safety Data Sheet for this product as well as precautions contained on product labeling.

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LIMITED WARRANTY

The successful performance of this product is highly dependent on many factors beyond our control. Results are highly dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Mobile Paint warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within one year from date of shipment, Mobile Paint will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Mobile Paint and its affiliates **MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.** The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.