



# TECHNICAL DATA SHEET

## MARINE MASTER™

### MM – 300

#### ULTRA SPAR VARNISH

(Meets Federal Specifications TT-V-121H, TT-V-71 H & TT-V-109 C  
& Military Specification MIL-V-1174B)

#### PRODUCT

**DESCRIPTION:** A hard abrasive and weather-resistant high gloss marine varnish with an ultraviolet filter that screens out the destructive rays of the sun. For exterior or interior use.

**BASIC USES:** Especially formulated to protect and preserve the natural beauty of woods used in the construction of yachts and small boats from the ravages of the sun, sand, sea and weather.

#### PRODUCT

**ADVANTAGES:**

- \* Marine grade
- \* UV resistant
- \* Clear liquid plastic
- \* Easy to apply
- \* Extra long lasting protection
- \* Dries to a hard and tough finish
- \* Resists peeling, flaking and contact with household chemicals

### TECHNICAL DATA

<b>Percent Solids:</b>	47.15 ± 1% by weight 54.40 ± 1% by volume	<b>Finish:</b>	Gloss (over 85°)* *Geometry 60°
<b>Weight / Gallon:</b>	7.38 ± 0.5 lbs.	<b>Viscosity:</b>	130 - 150 cps.
<b>Drying Time:</b>	To touch: 4 hours To recoat: 12 hours	<b>Theoretical Coverage:</b>	600 sq. ft./gal.
<b>Flash Point:</b>	85°F TOC	<b>Sizes:</b>	55 gallons 5 gallons 1 gallon 1 quart
<b>Theoretical Film Thickness:</b>	2 mils dry, 4 mils wet		
<b>Thinning:</b>	Not normally recommended, but if necessary, add up to 1/2 pint per gallon of LANCO® Mineral Spirits MS-107.		

**Surface Preparation:** All surfaces must be dry, clean and free of contaminants such as dirt, grease, chalk, mildew, oil, rust, loose or badly cracked paint.

**New Wood:** Sand down to a smooth finish with fine sandpaper following the grain. Remove all sanding dust by vacuuming or dusting the surface with a "tack" cloth. Fill knot holes and cracks with LANCO® putty filler for wood; let dry. Sand the filled areas smooth and remove dust.

**Previously Painted Surfaces:** This coating is for application to unfinished wood surfaces or to surfaces previously finished with this same finish and in good condition. If the previous finish is not in good condition it must be completely removed with LANCO® *Safe Strip™ PR-113*. Finish the surface as in *New Surfaces*. If surface is in good condition, sand to remove gloss and touch-up bare areas with this same product. If doubt exists concerning compatibility of this coating with the previous system, apply coating to a small area (25 square feet minimum) and allow to cure and age several weeks. Then inspect for adhesion failure, wrinkling, lifting 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 air in the coating.

**Application:** Apply by brush or roller, use LANCO® *All Purpose Roller 3/8" Nap PA-566* or conventional or airless spray. Roller application may require special care to prevent bubbling and more than one coat to obtain proper thickness. Apply at 4 mils wet film thickness that will yield 2 mils dry film thickness.

**Equipment:** 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 feed. For pressure feed, use DeVilbiss MBC gun with 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 Teflon material hose.

**Limitation:** Apply in good weather when air and surface temperature 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.

**Note:** When multiple coats of product are applied, be sure to sand lightly between coats with a fine sandpaper and dust clean or vacuum.

**Cleanup:** Wipe up drips and spatters with LANCO® *Mineral Spirits MS-107*. Clean all equipment with this solution.

**Caution:** Do not take internally. Close container after each use. Keep out of the reach of children. *Combustible; keep away from heat and open flame.* Avoid prolonged contact with skin and breathing vapors or spray mist.

**Notice:** 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.

**M.S.D.S.:** Available upon request.