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TECHNICAL DATA SHEET

Spar Urethane Varnish

DESCRIPTION:

System Three Spar Urethane Varnish is a , high-solids, V.O.C. compliant coating designed for marine and exterior wood surfaces such as boats, furniture, doors or any surface where a clear gloss finish is desired. Spar Urethane offers excellent protection from salt air and water, and contains ultraviolet light absorbers, which will keep wood looking beautiful even with constant exposure to sunlight. Spar Urethane Varnish is offered in high gloss and satin finishes.

Some air-drying single-part varnishes are known to be incompatible with epoxy coating and laminating resins. System Three Spar Urethane was formulated specifically to cure properly over System Three epoxy resin products.

PHYSICAL PROPERTIES:

FINISH: High Gloss: 90-95 gloss @ 60°
Satin: 40-50 gloss @ 60°

SOLIDS: 58-60% by weight

DENSITY: 7.9 pounds/gallon

V.O.C. Content: 440-450 grams/liter (3.75 lb/gal)

COVERAGE: 350-400 ft² per gallon

DRY TIME: tack free: 4-6 hours @ 25°C

RECOAT(WITHOUT SANDING): 12 to 24 hours

DRY HARD: 24-48 hours

Dry times will vary with temperature, humidity, and ventilation.

THINNING: Optional: On bare wood thin first coat 1:1 with mineral spirits. None required on subsequent coats or over sanded varnish.

CLEAN UP: Mineral Spirits

SURFACE PREPARATION: Wood should be free of dust, grease, oil, wax, and any other foreign matter. Sand with 220 or 320 grit open coat sandpaper. Use of non-cloggin sandpaper is not recommended. Use a tack rag to completely remove dust prior to application of varnish.

APPLICATION: For best results, use a high-quality, natural bristle brush. Apply varnish between 50-95°F.

OVER CURED EPOXY RESIN: Sand epoxy surface to a clean, dry surface and apply. Resin surface may require up to 2 weeks prior to coating for all residual curing agent to be out of the surface.

NEW WORK(BARE WOOD): Apply a minimum of three coats for protection. Recoat when surface shows signs of wear.

OLD WORK: If previously varnished surface is in good condition, sand and varnish. If old finish is not in good condition, remove and proceed as with new work.

STAINING: Use a high-quality oil or water-based wiping stain intended for wood. Allow to cure thoroughly, according to the manufacturer's instructions. Test varnish for adhesion after application.

NOTES:

When used alone, as much as 9-12 coats of varnish are commonly used to protect marine brightwork. When used over 2 coats of System Three ClearCoat or Silvertip epoxy resins, as little as 2-3 coats will provide superior saltwater and UV-light protection. For detailed instructions, see System Three literature on "Clear Finishing of Outdoor Wood."

For health and safety information concerning this product, please refer to the Material Safety Data Sheet for Spar Urethane Varnish.

The information contained herein is based on the data available to us and is believed to be correct. However, System Three Resins, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. System Three assumes no responsibility for injury from the use of the product described herein.

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