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TECHNICAL DATA SHEET

Marine Spar Varnish

DESCRIPTION:

System Three® Marine Spar Varnish is a high-build urethane coating designed for marine epoxy 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: 30-35 gloss @ 60°

SOLIDS: 50% by weight

DENSITY: 7.60-7.62 pounds/gallon

VOC Content: 440-450 grams/liter (3.75 lb/gal)

SPREAD RATE: 300-350 ft² per gallon

DRY TIME: Tack free: 4-6 hours @ 25°C Dust free 8-12 hours.

RECOAT (WITHOUT SANDING): 12 to 24 hours

COMPLETE CURE: 14 days

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

THINNING: Thin varnish up to 10% with mineral spirits, especially when spray applying.

CLEAN UP: Mineral Spirits

SURFACE PREPARATION: Surfaces 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-clogging sandpaper is not recommended because of the possibly of leaving a residue. 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.

Wet sand between coats using 400-600 grit wet/dry sandpaper wet with water or mineral spirits.

OVER EPOXY RESIN: Allow resin to cure 7 days in optimum conditions. Thoroughly sand with 220-320 grit sandpaper to remove surface gloss. Wash with soap and water and allow to dry. Apply 2 or more coats as desired for UV protection.

ON BARE WOOD: Apply 3 or more coats as desired for protection. Recoat when surface loses its lustre or shows other signs of wear.

PREVIOUSLY VARNISHED: If previously varnished surface is in good condition, sand and varnish. If old finish is not in good condition, remove and proceed as with bare wood or epoxy.

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 on scrap wood first.

NOTES:

When used alone, as much as 9-12 coats of varnish are commonly used to protect marine brightwork. When used over 2-3 coats of System Three SilverTip epoxy resin, as little as 2-3 coats will provide superior saltwater and UV-light protection.

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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