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TECHNICAL DATA SHEET

WR-LPU™ Linear Polyurethane Topcoat

DESCRIPTION: System Three® WR-LPU™ is a two-part, water-borne, VOC-compliant, linear polyester polyurethane enamel. It will provide appearance and performance equal to its solvent-borne counterparts. WR-LPU topcoat comes in clear gloss, clear satin, and 12 popular colors. WR-LPU is extremely weatherable and abrasion-resistant, and will retain its appearance for long periods in a variety of environments. For use over SilverTip® Yacht Primer and many other properly-prepared surfaces.

PHYSICAL PROPERTIES:

FINISH: High Gloss or Satin (Clear)
Semi-gloss (Colors)

COLORS: 12 standard colors (color cards available on request)

WEIGHT SOLIDS:

COLORS: 37%

CLEAR: 32%

VOC: 105-125 grams/liter (depending on color)

APPLICATION TEMPERATURE: 55-90° F

MIXING RATIO: 2oz. crosslinker per gallon of paint base.
(~8 drops/fl. oz. for small batches)

THINNING: Deionized or distilled water.
Thin as needed up to 25%.

POT LIFE: 24 hours @ 70°F.

RECOAT TIME: 2 hours minimum
24 hours maximum
(Sanding is recommended after 24 hours.)

DRYING TIME(5 mils wet @ 70°F, 50% RH): 60 minutes

OPTIMUM DRY FILM THICKNESS: 2.5-3 mils

CLEAN UP: Clean water for uncured paint. If paint has dried, paint stripper will be needed to remove it.

SHELF LIFE: 12 months minimum @ 70°F in original container

RECOMMENDED SPREAD RATE: 350-400ft²/gallon.

SURFACE PREPARATION:

WOOD, STEEL, OR COMPOSITE: Prime with SilverTip Yacht Primer according to product instructions. Sand primed surfaces with 220-grit wet-or-dry sandpaper, if desired, and wipe with water or denatured alcohol. Do not use tack rags which can leave a waxy residue. Surface must be clean, dry, and free of dust, oil, grease or other contaminants prior to application.

EPOXY RESIN: WR-LPU may be applied directly over System Three laminating or coating resins. Sand surfaces with 80, then 150 to 220-grit wet-or-dry sandpaper, and wipe with water or denatured alcohol. Priming with SilverTip Yacht Primer is recommended for all other epoxy surfaces.

Allow resin to cure at least 7 days at 70°F or above.

NOTES:

The Application Guide contains more detailed instructions.

Refer to the product MSDS for complete safety and handling instructions.

Stir paint base while adding crosslinker to avoid creating lumps.

WR-LPU has very good water and chemical resistance, but it's not meant for use below the waterline on constantly-immersed boats.

WR-LPU will dry without the crosslinker added, but will not have desirable chemical resistance and weatherability without it.

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