



**Supermarine**  
Marine Paint

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TS-2000

## TS-2000 Aliphatic Urethane

### Twice As Tough!

**Supermarine Two-Component Aliphatic Urethane (SM-2000)** is versatile, good looking and as durable as it gets! This two-component aliphatic urethane has been specifically formulated to provide superior adhesion, hardness, flexibility, chemical, heat resistance and durability than any consumer brand epoxy, alkyd, urethane or resin blend. A fully submersible self leveling formula producing superior color and gloss retention. You won't find this kind of modern marine coatings technology available anywhere else!

Two-Component Urethane is a Boeing specification that has its origins in military and government applications. It performs according to government specification number MIL-P-85285 so you know you are getting the best! It's exactly what we supply to government agencies for use on vessels and marine infrastructure.

Urethane retains its color and gloss longer with less yellowing and chalking. Flexibility, hardness and chemical resistance are excellent. It may be brushed, rolled or sprayed. It is dry to the touch in just 30 minutes and hard enough to walk on in just six hours. It has a 4-6 hour pot life making it easy to use. Ease of application makes it a compelling choice.

It is a two-component aliphatic urethane designed for extra durability and resistance to strong chemicals, high heat (500F), spilled fuel, acids, alkalis, solvents, salt spray, staining agents and corrosion over a variety of substrates. A fully submersible coating acceptable for use on virtually all interior/exterior marine surfaces. Acceptable for use above and below the waterline on prepared iron and steel, aluminum, fiberglass and wood. Available in 100 colors plus clear.

#### Product Features:

- Provides remarkable chemical resistance.
- Self leveling formula reduces brush and roller marks.
- Less likely to chalk, yellow or fade.
- Provides superior adhesion, hardness and durability.
- Superior color and gloss retention.
- Withstands extremes in temperature.
- Buffing easily removes marks and abrasions.
- Long pot life makes it easy to apply.
- May be brushed, rolled or sprayed.
- Submersible formula.
- Available in 100 colors and clear.

# PERFORMANCE DATA

## SM-2000 Two-Component Aliphatic Urethane

**COLOR(S):** Clear, Whites and Tints.

**PRODUCT TYPE:** Non-Yellowing Aliphatic Urethane (2 Components).

**DESCRIPTION:** A two-component urethane marine finish designed for extra durability and resistance to strong chemicals, acids, alkalis, solvents, salt spray, high heat, corrosion, abrasions and high impacts over a variety of substrates. Recommended for ferrous metals, prepared steel, fiberglass, aluminum, concrete and wood. Resists heat to 500F and allows for low temperature curing as low as 20 F. This surface is recoatable. This product is suitable for use on a wide variety of interior and exterior surfaces. The cured film is acceptable for use in constant submersion applications including below the waterline, the interior and exterior of pipelines and offshore oil rigs. On interior wood surfaces it will resist common household chemicals, staining agents, white staining by hot drink cups, and resists cigarette burns. Performance equivalent of MIL-C-85285.

**Intended Use:** For ferrous and non ferrous metals, fiberglass, concrete, masonry and wood (interior or exterior).

### PHYSICAL CHARACTERISTICS

VISCOSITY: 65 k.u. (mixed)

DRY TO TOUCH: 30 minutes-1 hour

VOLUME SOLIDS: 23-33% (mixed)

WEIGHT PER GALLON: 8.00-9.80 lbs. per gal. (mixed)

V.O.C.: 611 grams per liter

FLASH POINT: 80° F.

WEIGHT SOLIDS: 33-48% (mixed)

TACK FREE: 3-4 hours

TIME TO RECOAT: < 4 hrs. or > 24 hrs.\*

DRY HARD: 4 hours

COLOR RANGE: Whites and Tints

PACKAGING: One gallon kits

**PRACTICAL COVERAGE:** 400-500 square feet per gallon depending on surface and specific application requirements.

**MIXING RATIO:** 7:1 (by volume) with TS-5729 Part B (Induction Time: 15 minutes) POT LIFE: 4 hours \*For faster dry, use TS-6075 Accelerator.

**SURFACE PREPARATION:** Surface preparation is critical. Previously painted surfaces must be thoroughly cleaned and free of residues, oily film, and loose paint chips. Wire brush before painting. Areas where all of the old coating has been removed must be spot primed before applying finish coat. Use only factory recommended primers: SM-7390 Formula 150 Epoxy Primer or SM-664 Etching Primer. Any primer used must be of the non-lifting type (lacquer proof). Recommend epoxy type primer for concrete, steel, or aluminum.

**NEW SURFACES:** Ferrous metals, (steel, iron, etc.): Clean thoroughly, water or sandblast; prime with suitable primer as specified for the job as recommended. Aluminum: Must be thoroughly cleaned, etched and primed with SM-664 Etching Primer. Galvanized Steel: Must be thoroughly cleaned, etched with SM-695 Etching Cleaner, primed with SM-117 Pre-treatment Wash Primer. Use SM-664 Etching Primer as an intermediate primer. For Clear Finishing: Remove all surface scratches. Start with 100 or 220 grit sandpaper and finish off with 300 or 400 wet/dry paper. Remove all surface contaminants with Denatured Alcohol on a clean, lint-free cloth. **DO NOT USE TACK CLOTHS CONTAINING OILS, WAXES OR SILICONES.** If Oil Stain is Used to Color the Wood: Make sure that the stain has dried a minimum of eight hours before applying successive finishes. Lightly sand or buff between coats with a good 220 grit sandpaper.

**APPLICATION:** For best results, apply SM-2000 Two-Component Urethane with a conventional cup gun. Thin to a viscosity of 22-25", Zahn #2 with SM-620 Thinner. If a second coat is desired, recoat within 4 hours or after 24 hours (lightly sand between coats). **WOOD FINISHING USING PIGMENTED OR COLORED SM-2000 Urethane:** Follow the same procedures as above for clear. A pigmented primer is recommended as a first coat: SM-664 Etching Primer or SM-7390 Formula 150 Polyamide Epoxy Primer.

**THINNING:** Thin if necessary with SM-620 Thinner.

**CLEAN-UP:** Clean all equipment thoroughly with SM-610 Lacquer Thinner. Do not leave unused paint in spray equipment beyond the pot life of the material, it will set up hard.