



## TOP SECRET COATINGS

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### TS-2 Hard-Shell Urethane

## The Sky's The Limit

**Hard-Shell Urethane (TS-2)** is a super-duty non-yellowing protective coating that out performs epoxy in every significant performance category regardless of the manufacturer. It is a Boeing spec formula that performs according to government specification number MIL-P-85285 so you know you are getting the best!

Hard-Shell Urethane is a two-component catalyst-cured aliphatic urethane intended for use where harsh weather, heavy traffic, strong chemicals, high impacts and abrasions, high heat, spilled fuel, acids, alkalis, solvents and saltwater are present. It produces a film that is fully waterproof, versatile, good looking and incomparably durable!

Successfully used where motorized traffic, battery acid, brake fluid, radiator coolant and Skydrol are present. It is acceptable for use on concrete floors, machinery, in manufacturing areas, aircraft hangars, institutional and food service areas and in marine applications. 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!

Recommended for interior and exterior applications. Allows for cold weather applications down to 20F. Acceptable for use in marine applications above and below the waterline on prepared iron and steel, aluminum, fiberglass and wood. Resists heat (500F), chemicals, fuels and staining agents.

#### Product Features

- Guaranteed to withstand spilled fuel for 7 days with little effect.
- Produces a hard yet flexible scuff resistant finish.
- Withstands heat to 500F.
- Maintains its color and gloss with less chalking yellowing or fading.
- Buffing easily removes mars and abrasions.
- Spray: up to 600 sq ft per gallon! Brush & Roll up to 400 sq ft per gallon.
- Self leveling formula reduces brush and roller marks.
- Resists heat from 60 degrees below zero to over 500F, impacts to 500 PSI.
- Produces beautiful finish available in 100 colors plus clear.
- Acceptable for low temperature applications to 20F.

# **PERFORMANCE DATA**

## **TS-2 Hard-Shell Two-Component Urethane**

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

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

**DESCRIPTION:** A two-component urethane 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, aluminum, concrete and wood. Resists heat to 500F and allows for low temperature curing as low as 20 F. This surface is recoatable. Performance equivalent of MIL-C-85285.

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

### **PHYSICAL CHARACTERISTICS**

**VISCOSITY:** 65 k.u. (mixed)

**WEIGHT SOLIDS:** 33-48% (mixed)

**DRY TO TOUCH:** 30 minutes-1 hour

**TACK FREE:** 3-4 hours

**VOLUME SOLIDS:** 23-33% (mixed)

**TIME TO RECOAT:** 6 hrs to 48 hrs.\*

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

**DRY HARD:** 6 hours

**V.O.C.:** 611 grams per liter

**FLASH POINT:** 80° F.

**PRACTICAL COVERAGE:** 400-500 square feet per gallon.

**MIXING RATIO:** 7:1 (by volume) with TS-5729 Part B (Induction Time: 15 minutes) POT LIFE: 4 –6 hours

\*For faster dry, use TS-6075 Accelerator.

**APPLICATION:** For best results, apply TS-2 Hard-Shell Urethane with a conventional cup gun. Thin to a viscosity of 22-25", Zahn #2 with TS-620 Thinner. If a second coat is desired, recoat within 6 hours to 48 hours. (lightly sand between coats after 48 hours).

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

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