



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TECHNICAL DATA SHEET

POLYTUFF-2501
ONE COMPONENT POLYURETHANE FINISH
FOR WOOD SURFACES, AND GYM FLOORS

GENERIC TYPE: One Component Polyurethane Finish for Wood Surfaces, and Gym Floors

DESCRIPTION: Polytuff-2501 is a single component, high gloss, fast drying polyurethane providing a unique combination of excellent hardness, toughness, mar & abrasion resistance and long term durability. It has outstanding color and gloss retention and conforms to air pollution rules and regulation. It is recommended as a clear finish on container & gym floors, wood and metal furniture.

RECOMMENDED USES: As a clear finish on container & gym floors, wood and metal furniture.

TECHNICAL DATA

COLOR:	Clear
FINISH:	Gloss
VEHICLE TYPE:	Urethane modified resins
FLASH POINT:	100°F
SOLVENT TYPE:	Aliphatic hydrocarbons
SOLIDS BY VOLUME:	40.0 ± 1.0%
RECOMMENDED DFT:	1.0 mils
THEORETICAL COVERAGE:	625 sq. ft./gallon per dry mil.
AVERAGE DRY TIME @ 75 °F:	
(A) TO TOUCH:	2 hrs.
(B) TO RECOAT:	6 hrs.
RECOMMENDED THINNER:	Mineral Spirits
<u>RESISTANCE TO:</u>	
ABRASIONS:	Excellent
WATER:	Excellent
ALKALI:	Fair
WEATHER:	Excellent
ALIPHATIC SOLVENTS:	Excellent
SUNLIGHT:	Very good
ACIDS:	Good
SOAP SOLUTIONS:	Excellent
AROMATIC SOLVENTS:	Poor

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APPLICATION: Brush or spray.

Conventional spray: DeVilbiss MBC-510 spray gun, "E" tip #704, #765, or #78 air cap. Binks #18 spray gun, 66 tip PE or 63 PB nozzle.

Airless spray: Use of spray tips with .007 to .015" orifice is suggested, depending on available pressure and job conditions.

SURFACE PREPARATIONS: Be sure surface is absolutely dry, free from all wax, oil grease, and dirt. Sand with fine sandpaper and wipe off dust. On previously waxed surfaces clean with Mineral Spirits to insure complete wax removal.

NEW WOOD: Sand the wood to a smooth surface and remove surface contaminants. Then apply Polytuff directly to the wood surface, reducing with up to one quart of Mineral Spirits for the first coat. Apply subsequent coats without reduction. For conventional spray application, reduction with 1 pint of Mineral Spirits per gallon is recommended.

PREVIOUSLY VARNISHED SURFACES: Sanding is necessary to gloss and assure good adhesion. Failing old varnish should be completely removed. Polytuff is not recommended over lacquer sanding sealers or shellac or stains containing stearate. Use Polytuff as it comes from the can. If thinner is desired, use Mineral Spirits.

SAFETY PRECAUTIONS:

- (A) Use normal precautions such as gloves and facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights and electrical equipment.
- (D) Non-sparking shoes and tools for workers in area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in this area.
- (F) Avoid breathing of vapor, contact with skin and eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain immediate medical attention.

NON-WARRANTY:

The technical data listed herein has been compiled for convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information or this product no warranty, expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance or any other damages, including injuries resulting from use of this information or of products recommended herein.

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