

TECHNICAL DATA SHEET

SYNTEKO[®] Polyurethane 350 VOC Finish

SYN165X

SYNTEKO[®] Polyurethane 350 VOC Finish is a high quality, professional, oil modified urethane floor finish designed for commercial or residential interior hardwood floors. SYNTEKO Polyurethane 350 VOC Finish gives a special warm and classic look, delivering a tough, durable film that protects against scuffing, marring, household chemicals and wear-and-tear. SYNTEKO Polyurethane 350 VOC Finish is VOC compliant, self-sealing, has excellent workability and comes in four gloss levels: 1650 Matte, 1651 Satin, 1652 Semi-Gloss and 1653 Gloss.

FEATURES & BENEFITS

• High solids (49-51%)	• Flow & leveling with all floor applicators
• More film build; less coats needed(2 coats vs. 3 coats)	• Self Sealing
• Gloss is MFMA approved	• No sanding sealer needed
• Can be used on all gym floors	• Offers multiple applications
• Excellent viscosity	• Can be used for commercial & residential areas

TECHNCIAL DATA

TEST METHOD

Type:	One component Oil Modified Urethane (OMU)	
Description & Color	Dark blue/purple liquid (dries clear, slightly amber)	
Solids Content:	Approximately 53 %	<i>ASTM D 1644 method A</i>
Density:	7.8 lbs/gallon	<i>ASTM 1475</i>
Viscosity:	Approximately 42 seconds for Gloss, 50 for Semi-gloss, 55 for Satin and 60 for Matte @ 23° C	<i>ASTM D 4212-99 (Zahn Cup #4)</i>
Flash Point:	107-110° F (42-43° C)	<i>ASTM D 3278-96</i>
Coverage:	500 to 600 sq.ft/gallon (depending on the application method and porosity of the wood)	
VOC:	Does not exceed 350 grams/ltr	<i>ASTM d 3269-96</i>
Dry Time:	12-16 for recoat (under favorable drying conditions)	
Gloss Levels:	Gloss 90, Semi gloss 50, Satin 35 and Matte 20	
Abrasion Resistance:	Excellent	<i>ASTM D 4060-95</i>
Resistance to Chemicals:	Very good resistance to water & common household chemicals/cleaners	
Storage Life:	24 months in original package stored away from excessive heat/sunlight	
Clean-Up	Mineral Spirits	

DANGER! COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL.

Read label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF12-0403

SURFACE PREPARATION

New and Previously Coated Wood Floors:

- Machine sand the surface (following NOFMA, NWFA and MFMA guidelines) to remove dirt, irregularities and/or previous applied coatings
- Final sanding/screening should be completed with 100 - 120 grit sandpaper or screen
- Vacuum thoroughly and dry tack

Previously coated floors – Screen and Recoat:

- A previously finished floor must be cleaned from all dirt, grease, polish, and oily substances or soap residue.
- First, clean thoroughly with SYNTEKO Heavy Duty Soap and abrasive scrubbing/conditioning pad.
- Follow instructions on the SYNTEKO Heavy Duty Soap.
- Allow to dry completely.
- Next, screen and buff the substrate thoroughly to a completely dull sheen (using abrasives not finer than 180 grit) and tack the floor with a water-dampened cloth.

Note: Do not apply SYNTEKO Polyurethane 350 VOC Finish over floors when they are finished with wax, oil, shellac, lacquers or stains containing wax or stearates. Ideally, during use, the temperature of the floor and product should be between 18° C and 27° C (65° F - 80° F). Before use stir the product thoroughly and do not thin.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear an NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION

New or Old Bare Wood Floors

1. If needed, stain with a stain specifically designed for wood floors, follow manufacturer instructions and allow to dry completely.
2. On new/bare wood, or stained floors, apply two coats at a spread rate of approximately 500-600 sq. ft./gallon using a lambswool* applicator, heavy weight T-Bar, high quality natural china bristle brush or a short nap (3/8 - 1/4 inch) roller.
3. Allow to dry overnight between coats.
4. Screen/buff well (until completely dull) between coats using a used 120-150 grit screen or with a maroon conditioning pad with 180 grit sandpaper strips, vacuum thoroughly and tack with a water dampened cloth.
5. Apply each coat thin at a spread rate of approximately 500-600 sq. ft./gallon. Heavier applied coats will take longer to dry!

Previously Coated Floors

1. Apply one coat following steps 2, 3, 4 and 5 outlined above.
Note: A second coat may be applied in areas of heavy wear.

CLEAN-UP & MAINTENANCE

- Clean up tools immediately with mineral spirits
- Use throw rugs at each entry door way to trap debris
- Sweep, dust mop or vacuum clean daily and damp mop periodically using SYNTEKO Super Clean and microfiber mop. (see label instructions)

PRECAUTIONS

- Heavier applications than recommended or application during humid or low temperature conditions will increase the drying/cure time.
- *Lambswool Applicators have a tendency to apply this Polyurethane too thick with careless use.
- SYNTEKO Polyurethane 350 VOC Finish will have an ambering effect when applied over light colored surfaces.
- Always ventilate adequately.
- After the last coat allow at least 24 hours curing before light traffic, and 72 hours for heavy traffic or replacing furniture.
- Area rugs and throw rugs can be placed after approximately 14 days of curing.
- Recommended spread rate is approximately 500-600 square feet per gallon
- Clean-up tools immediately with mineral spirits.
- Do not use water or detergent for the first 14 days after the last coat is applied.
- Solvent: Non-photochemically reactive

DANGER! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD - CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. OVEREXPOSURE MAY CAUSE LIVER, KIDNEY DAMAGE. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. DANGER - Rags, steel wool or waste soaked with SYNTEKO Polyurethane 350 VOC Finish may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. NOTICE: This product contains solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** Keep away from heat, sparks and flame. **Do not** smoke. Vapors may ignite. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. If sanding, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, get medical attention. **KEEP FROM FREEZING.** DS464-0410

SHIPPING

FREIGHT CLASSIFICATION:
Paint, Combustible Liquid, PGIII

PACKAGING:
1 gallon (3.785 L)

FLASH POINT:
107-110° F (42-43° C)

DISCLAIMER: Our information is based on laboratory tests and is considered a guide in connection with choice of product and working method. As your working conditions are beyond our control, we do not assume any responsibility for the results. Our responsibility exclusively covers personal injury and damage to property, which actually have been proved subsequent to faults and defects in one of the products manufactured by us.
Date 01/10

