

Polyurethane

Solventborne



SYNTEKO POLYURETHANE PRO-SERIES is a high quality, professional, oil urethane floor finish designed for commercial or residential interior hardwood floors. Synteko Polyurethane 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 is self-sealing, has excellent workability and comes in three gloss levels: gloss, satin and matte.

- Self-Sealing
- Exceptional flow & leveling
- Commercial & residential use
- Classic amber look
- Marring & scuff resistant
- V.O.C. compliant (450 g/L)
- Resists household chemicals
- High solids – 49 to 51%

DIRECTIONS FOR USE

PREPARATION

New, Unfinished and Previously Finished Floors

Machine sand the surface (following NOFMA, MWFA and MFMA guidelines) to remove dirt, irregularities and/or any previously applied finish. Final sanding/screening should take place with 100 to 120 grit sandpaper or screen. Vacuum thoroughly after sanding.

Previously Finished Floors – Recoat

Previously finished floors (Polyurethane only) must first be cleaned from all dirt, grease, polish, oily substances or soap residue. Clean thoroughly with Synteko Heavy Duty Soap and an abrasive scrubbing/conditioning pad. Follow label instructions on the Synteko Heavy Duty Soap. Allow to dry completely. Follow by screening the substrate thoroughly, until completely matte using a used 120 grit screen or a maroon, conditioning pad with 180 grit sandpaper strips. Vacuum thoroughly and tack the screened floor with a water-moistened cloth.

Notes: Do NOT apply Synteko Polyurethane over waxed floors or when the floor was finished with waterborne, UV cured or aluminum oxide finishes, oil, shellac, lacquers or stains containing wax or stearates. Prior to recoating previously finished floors, it is always recommended to perform an adhesion test. First, locate a small area (like a corner) and clean/screen as previously recommended. Next, apply a coat of Synteko Polyurethane and allow to cure for at least one week. Now, scrape with the edge of a coin, if the finish loosens, adhesion is poor and a complete removal is recommended in this case.

Conditions: Allow the Synteko Polyurethane to adjust to room temperature before use

Floor/Air temperature: Between 15 and 25°C (60° and 80°F)

Moisture content of the wood: Between 5 and 15%

Provide for good ventilation after the application to improve the drying and curing. Avoid sunlight and drafts over the finished surface during application.

APPLICATION AND INTERMEDIATE SANDING

If staining is required, first use a stain that is specifically made for wood floors, follow manufacturer's instructions. Allow the stain to dry completely. Apply two to three coats of Synteko Polyurethane using a lambswool applicator, high quality natural bristle brush or a short nap (3/16") roller. Allow at least six to eight hours drying time between the first and second coat, overnight if a third coat is required. Lightly screen between coats using a used 120 to 150 grit screen or use a maroon pad with 180 grit sandpaper strips. Vacuum thoroughly and tack with a water moistened cloth between each coat. Previously Coated Floors – Screen & Recoat: Apply one coat of Synteko Polyurethane. A second coat may be applied if the previous coating shows heavy wear.

CARE AND MAINTENANCE

Use throw rugs, (walk-off mats) at all entry doorways to trap debris. Hardwood floors finished with Synteko Polyurethane are easy to clean. To keep the surface clean, sweep, dust mop and/or vacuum as necessary. Damp mop with Synteko Super Clean on a well-wrung cloth or Synteko Microfiber Mop is normally adequate. (follow label instructions for best results). Avoid scrubbing with coarse brush or strong detergents. Attach felt pads to the legs of chairs and tables so as not to scratch the finish surface.

TECHNICAL DATA

Type:	One-component oil modified urethane
Resistance:	Very good resistance to grease, water and domestic chemicals.
Gloss Gardner 60°:	High Gloss: Approximately 90 Satin: Approximately 50 Matte: Approximately 35
Coverage:	500 to 600 feet ² /gallon (12 to 14.5 meters ² /Liter) depending on application method and wood species.
Drying Time at 70°F (21°C)/55% RH:	Approximately 6 to 8 hours (screening) for the first coat, overnight for the second coat
V.O.C. Content:	Product does not contain more than 450 grams/Liter (3.75 pounds/gallon).
Shelf Life:	12 to 24 Months in un-opened container.
Clean-up:	Mineral spirits or paint thinner
Temperature Sensitivity:	Product is not sensitive to freezing.
Packaging:	1 U.S. gallon; 5 U.S. gallon container
Color:	Amber, transparent
Solids Content:	Approximately 49 to 51%
Flash Point:	107°F (41.7°C)

PRECAUTIONS

Heavy applications, or applications during humid or low temperatures will increase the dry and curing times. Always ventilate adequately. After the last coat, allow at least 24 hours drying time before light traffic, and 72 hours before allowing heavier traffic and placing furniture. Area rugs and throw rugs (walk-off mats) can be placed after approximately 14 days of curing. Do not use water or detergents for the first 14 days after the last coat is applied. Polyurethane will have an amber effect when applied over light colored surfaces.

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: 4/03

