



exceptional floor finishes

TECHNICAL DATA SHEET

Synteko Floor Finishes
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SYNTEKO EXTRA 1609, 1610, 1611

Synteko Extra is a very durable one component, water based low-odor finish, for hardwood floors in residential and commercial area. It can be used on untreated and previously finished surfaces. Synteko Extra gives high resistance to wear, scratching, scuffing, marring and chemicals and is therefore ideal for surfaces subjected to heavy wear. Synteko Extra is available in 3 gloss levels: 1609 Matte 20, 1610 Semi-gloss 50, and 1611 Gloss 90.

FEATURES

- Excellent flow and leveling
- Excellent water & chemical resistance
- Excellent film build
- One component product
- Excellent adhesion

BENEFITS

- Ease of application
- Beauty & clarity
- Added durability
- No mixing/no waste
- Ideal for re-coating

DIRECTIONS

Synteko recommends using Synteko Sealmaster 1600 for the first coat on bare wood (see technical data sheet). Synteko Extra can be applied over other Synteko floor finishes once they are completely cured, but must not be covered with solventborne/oil based finishes. DO NOT USE Synteko Extra over white or pastel stain, use Synteko Best instead.

PREPARATION OF UNFINISHED FLOORS OR FLOORS WHERE OLD FINISH MUST BE REMOVED

Sanding

Machine sand (following NOFMA, NWFA and MFMA guidelines) the surface to remove old finishes and impurities from the wood. The final sanding should take place with 120-150 grit sandpaper or screen using the lowest possible drum pressure. If too much drum pressure is applied during the final sanding using a belt/drum sander, soft springwood may be compressed. When moisture from the Synteko Sealmaster 1600 affects such compressed springwood it would swell back to its original volume resulting in an obvious rise in the surface. Oily and resinous wood species such as teak must be sealed immediately, and within 2 hours after sanding. Thoroughly vacuum and dry tack before application. Do not forget to remove dust from baseboards, window sills, radiators, etc.

Sealing

Sealing is done with the waterborne Synteko Sealmaster 1600. During use, the sealer must be at room temperature. Further important factors are: Maintain an ambient temperature in the work area (air + floor) of 68°F – 77°F (20°C – 25°C). When sealing in normal climates, provide good ventilation. This accelerates drying, saves time and reduces grain raising. In hot, dry climates, reduce ventilation, if drying becomes too quick. Upon drying (usually within 1 – 1 ½ hours), abrade Synteko Sealmaster with a conditioning pad outfitted with 180 grit sandpaper strips. Further aspects regarding sealing are covered by the technical data sheet for Synteko Sealmaster 1600. Follow instructions given there. **Note:** Stained floors should not be sealed with Synteko Sealmaster but finished directly with Synteko Extra. Do not use Synteko Extra over white or pastel stains (use Synteko Best instead).

Finishing

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. (High levels of humidity and/or cool temperatures will extend the drytime of stain). Prior to application of Synteko Extra mix the product well and thoroughly vacuum and tack the floor with water dampened towel or rags. During use, the finish must be at room temperature. Preferably, the temperature of the floor should be between 60 and 77°F (15 and 25°C). **System for uncoated wood floors** is 1 coat Synteko Sealmaster followed by 2 coats of Synteko Extra. In heavy wear situations a third coat of Synteko Extra may be applied for improved wear performance. Between coats of Synteko Extra allow at least 4-6 hours drying. Work gently with the brush, light weight T-bar, pad applicator or roller, thus minimizing the amount of air mixed into the finish. Be careful in corners and other places where finish may be applied in increased amounts. Always avoid direct sunlight on the floor, as that may heat the wood floor in such areas resulting in quick drying. Cover windows if needed to avoid these undesirable conditions. When using a lightweight T-bar, use the "snow plow" method in continuous, steady movements. Avoid direct draft over the surface of the floor. Increase ventilation after Synteko Extra has "flashed off" and does not look wet anymore. Do not apply more than two coats per day (sealer and/or finish) in order to allow the finish to dry and cure as soon as possible. Between coats of Synteko Extra buff/abrade with a maroon conditioning pad outfitted with 220-240 sandpaper strips. "Hot Coating" is allowed if the previous coat of Synteko Extra has been applied less than 24 hours before.

Note: After completion of the application, allow the moisture to evaporate and the finish to cure at least one week before laying walk off mats, area rugs or floor coverings.

RE-FINISHING OF PREVIOUSLY FINISHED FLOORS

To re-finish a previously finished floor, the surface must be completely free from grease, wax, polish, etc. If the surface has been treated with wax all old finish must be removed down to bare wood by proper sanding to ensure good adhesion. Prior to coating the whole floor check for adhesion, first clean and abrade a small area, next apply the finish. After drying (and curing), the adhesion should be tested by scraping with the edge of a coin. If the finish layer loosens, the adhesion is poor and a complete removal of old surface layers is necessary. For all re-finishing, the rule is that the surface must be free from dirt, grease, and other contaminants. First clean with Synteko Heavy Duty Soap and then wipe with a solution of 10% vinegar in 90% water followed by wiping with a mop/rag and clean water. Upon drying abrade the floors old finish thoroughly using a maroon conditioning pad outfitted with 180 grit abrasive strips until completely dull. Vacuum, tack and clean thoroughly. Apply one or two coats of Synteko Extra.

CARE AND MAINTENANCE

The finished floor may be walked on with caution 24 hours after the last coat is applied. Allow at least 3 days drying/curing before heavy traffic and replacing furniture. Heavy furniture and rugs should not be placed for at least one week. Make sure to install new protective felt pads on the bottom of furniture (chairs legs, etc.). Do not clean the floor with water or detergents during the first 2 weeks. Surfaces treated with Synteko Extra are easy to keep clean. Vacuum regularly and when necessary, damp mop using Synteko Super Clean on a well-wrung cloth or Synteko Microfiber Mop. Marks from rubber heels, shoe polish, lipstick, ink, etc. should be removed immediately with Synteko Heavy Duty Soap or with mineral spirits.

TECHNICAL DATA

Base Material:	Waterborne Urethane/Acrylic copolymer	
Description & Color:	Pale yellow-brown liquid	
Solids Content:	Approximately 30.5%	<i>ASTM D1644 method A</i>
Density:	8.72 lbs/gallon	<i>ASTM 1475</i>
Viscosity:	Approximately 70 cps @ 23°C	<i>ASTM D2196-86</i>
pH:	Approximately 8.2	
Solvent:	Water	
Flash Point:	> 100°C (212°F)	<i>ASTM 3278-96</i>
Coverage:	350 to 650 sq. ft/gallon(depending on the application method and porosity of the wood)	
Dry times;	60~90 minutes	
Hardness:	132 ~ 142 sec. (König pendulum)	<i>ASTM D-4366-95 method A</i>
Gloss levels:	Gloss 90, Semi gloss 50, 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:	18 months in original package stored away from excessive heat/sunlight	
Storage conditions:	Protect from freezing! Do not expose to temperatures below 5°C (+40°F) and above +30C (+86°F)	
Clean up:	Soap and water	

ENVIRONMENTAL DATA

Synteko Extra is water based and the VOC content is 337 grams/ltr. General safety precautions should be taken when handling any chemical product. Ensure good air circulation and ventilation during use.

Keep out of reach of children. Refer to MSDS sheet for further information.

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 covers exclusively personal injury and damage to property, which actually have been subsequent to faults in one of the products manufactured by us. Date: 07/08

