

Extra

Waterborne



Synteko Extra is a very durable one component, water based low-odor finish, for hardwood floors in residential and commercial areas. It can be used on untreated or 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. Available in 3 sheen levels: 1609 matte, 1610 semi-gloss and 1611 gloss.

- One-component water based technology
- No mixing, no waste, therefore save time, save money
- Use sealer and finish directly from container
- Excellent leveling and de-foaming when applied with brush, roller or applicator
- High resistance to wear, scuffing and chemicals

DIRECTIONS FOR USE

We recommend using Synteko Sealmaster 1600 for the first coat on bare wood (see separate technical data sheet) Synteko Extra can be applied over other Synteko floor finishes in the product range, but must not be covered with solvent borne finishes. DO NOT USE Synteko Extra over white or pastel stain.

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 in the wood. The initial sanding is done with coarse grit sandpaper and high roller pressure. The final sanding should take place with 120-150 grit sandpaper or screen using the lowest possible roller pressure. If too much roller pressure is applied during the final sanding, the 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 after sanding. Vacuum cleaning must be done before application. Do not forget to remove dust on baseboards, window sills, radiators, etc.

Sealing

Sealing is done with the waterborne Synteko Sealmaster 1600 (applicator or brush application). During use, the sealer must be at room temperature. Further important factors are: Temperature of floor must be between 15 and 25 °C (60 to 77 °F). Moisture contents of wood must be between 5 and 15%. 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. Further aspects regarding sealing are covered by the technical data sheet for Synteko Sealmaster 1600. Follow the instructions given there. Note: Stained floors should not be sealed but finished directly with Synteko Extra. Do not use Synteko Extra over white or pastel stains (use Synteko Best instead). Sanding of Sealer before finishing: Synteko Sealmaster 1600 dries within 60-90 minutes. The floors should dry to a clear transparent color and powder well when abraded smooth. Vacuum well before finishing and tack with a water dampened towel or rag.

Finishing

After sealing, sanding, and thoroughly vacuuming the floor, as well as the surroundings, finishing with Synteko Extra may take place. During use, the finish must be at room temperature. Preferably, the temperature of the floor should be between 15 and 25 °C (60 and 77 °F). Moisture content of the wood must be between 5 and 15%. System for uncoated wood floors is 1 coat Synteko Sealmaster followed by 2 coats 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, 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. Use a small brush in such areas. If the relative humidity of the air is high and/or the temperature is low, reduce the amount of Synteko Extra applied to the floor to prevent drying problems. If the humidity is low and/or the temperature is high, apply heavier and always avoid direct sunlight on floor, as that may heat the wood floor in such areas resulting in quick drying. When using an applicator, use the "snow plow" method in continuous, steady movements. When the whole surface has been finished, leave the door ajar. Avoid direct draft over the surface and consider that normal ventilation is favorable for the drying of the finish.

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. Note: The first week following finishing, the surface must not be covered with non-porous surface protective materials. The moisture should be given a chance to evaporate properly.

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 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 all 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. Screen with a used 120-150 grit or abrade/buff with a maroon pad and 180 grit sandpaper. Vacuum clean thoroughly. Apply one or two coats of Synteko Extra. Do not apply more than one coat a day.

TREATMENT OF FACTORY FINISHED FLOORS

In areas where high wear will be predominant, it could be favorable to improve a factory finished floor material by applying an extra layer of Synteko Extra 1609, 1610 or 1611. The pre-treatment before finishing is done by sanding or screening with a very fine grit sandpaper. (At least 150 grit should be used.) Screen until the surface has turned matte. Vacuum clean thoroughly. Then tack the surface with a lightly moistened clean cloth to remove all dust completely. Apply 1 coat of Synteko Extra.

CARE AND MAINTENANCE

The floor can be used with caution 24 hours after the last coat is applied. Heavy furniture and rugs should not be placed for at least one week. Make sure to install protective pads on the bottom of furniture (chair 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 is normally adequate. 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 copolymer polyurethane/acrylic
Color:	Slight yellow-brown
Consistency:	Low viscosity liquid
Solids Content:	Approximately. 32%
Density:	Approximately. 1045 kg/m ³ (8.72 lbs/gal)
Viscosity:	Approximately. 23 sec. (FC-4) at 23°C (73°F)
pH:	Approximately. 8
Solvent:	Water
Flash Point:	100°C (212°F)

ENVIRONMENTAL DATA

Synteko Extra 1609, 1610 and 1611 Synteko Extra is water based and VOC compliant. 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.

OTHER DATA

Tools:	Brush, roller or floor applicator
Coverage:	285 to 610 sq.ft/gal (Depending on tools and wood species)
Drying Times:	60 to 90 minutes for sealer coat on untreated floor 4-6 hours for additional coats of Extra.
Crack Formation Cold Check Test (-20°C/+50°C) (- 4°F/+122°F):	No crack formation after 25 cycles
Abrasion Resistance SIS 923509:	Approximately. 4 mg/100 revs.
Scuff Resistance:	No marks at 3 kp/cm ² in Akzo Nobel's special scuff tester. Corresponding to 43 bf/in. (psi)
Gloss Gardner 60°:	Approximately. 90 for Gloss, Approximately. 45 for Semi-Gloss, Approximately. 20 for Matte
Resistance to Chemicals:	Very good resistance to grease, water, and household chemicals
Storage Life:	12 months in closed packages
Storage Conditions:	Do not expose to temperatures below +5°C (+40°F) and above +30°C (+86°F) Protect from frost!



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 proved subsequent to faults and defects in one of the products manufactured by us. Date: 5/02