



## Product information

# SYNTEKO EXTRA

## 1609 matte, 1610 semi-gloss, 1611 gloss

### GENERAL DESCRIPTION

Synteko Extra is a one-component, waterborne low-odour finish, for hardwood floors in residential/domestic and commercial areas. Synteko Extra gives high resistance to wear, scratching, scuffing, marring and chemicals and is therefore ideal for surfaces subjected to medium to light heavy wear.

Synteko Extra can be used on untreated or previously finished surfaces. Oily and resinous species such as teak should be coated as soon as possible after machine sanding.

We recommend to use Synteko Sealmaster 1600 or Synteko Sealer 1601 for the first coat on bare wood (see separate Product information).

**Note:** Stained floors should not be sealed with Synteko Sealmaster 1600 or Synteko Sealer 1601, but finished directly with Synteko Extra. Do not use Synteko Extra over white or pastel stains. Waterborne floor finishes must not be covered with solvent borne finishes. Wood that has been chemically treated or mechanically compressed cannot be finished with waterborne finishes.

### TECHNICAL DATA

<b>Base material</b>	Waterborne copolymer polyurethane/acrylic
<b>Solids content</b>	Approx. 32%
<b>Density</b>	Approx. 1050 kg/m <sup>3</sup> (8.76 lb/gal US) (10,52 lb/gal UK)
<b>Viscosity</b>	Approx. 23 sec. (SIS 18 41 15)
<b>pH</b>	Approx. 8
<b>Fire hazards</b>	Not flammable
<b>Coverage</b>	* 7-15 m <sup>2</sup> /l
<b>Drying time</b>	Sealer coat: Approx. 1 hour at 23°C (73°F)/50% RH Second coat: Approx. 4 to 6 hours at 23°C (73°F)/50% RH Further coats: Approx. 4 to 6 hours at 23°C (73°F)/50% RH
<b>Abrasion resistance</b>	Approx. 4 mg/100 revs. (SIS 92 35 09)
<b>Scuff resistance</b>	No marks at 3 kp/cm <sup>2</sup>
<b>Gloss</b>	Approx. 90 for Gloss (measured at 60°) Approx. 45 for Semi-Gloss Approx. 20 for Matte
<b>Resistance to chemicals</b>	Very good resistance to grease, water, and household chemicals
<b>Shelf life</b>	12 months in unopened container
<b>Storage</b>	Store frost-free. Must be stored between +10°C (+50°F) and +30°C (+86°F)
<b>Tools</b>	Applicator, brush or roller
<b>Cleaning</b>	Clean tools with water immediately after use

\* Depending on tools and wood species

## DIRECTIONS FOR USE

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

#### Sanding

Sand floors using accepted MFMA, NWFA or NOFMA procedures (US).

Machine sand the surface to remove old treatments and impurities in the wood. The first sanding is made with a coarse sandpaper and high roller pressure. Make the floor surface as even as possible. If the floor is uneven in spots, sand locally to even out these areas.

The final sanding is made with 120-150 grit sandpaper or screen, and with the lowest possible roller pressure. If roller pressure is too high, the soft springwood may be compressed. When moisture from the finish affects such softwood, it will raise the grain of the floor by swelling back to its original volume.

**Important!** Vacuum and tack the floor before applying Synteko Extra. Do not forget to remove dust on skirtings, windowsills, radiators, etc.

#### Sealing

The first coat is intended to seal the wood. Do not apply to heavy coat on less absorbing kind of wood. During use, the sealer must have a temperature of approx. 23°C (73°F). Further important factors are:

Floor temperature:            must be between 15 and 25°C (60 to 77°F)  
Floor moisture content:       must be between 5 and 15%

Do not allow puddles of finish to remain on the floor. If the sealer is poured onto the floor from the container, it must be spread as quickly as possible to prevent the wood from absorbing too much water.

When sealing, it is practical to have as good ventilation as possible. This will help accelerate the drying time and reduce grain raising. In hot and dry climates, reduce ventilation in order to avoid too quick drying and risk of lap marks.

For intermediate sanding use a used 120 grit screen or paper or a new 150 grit.

**Note:** If the sealing is made with Synteko Sealer the third trowel application should be made with Synteko Extra (see separate Product Information for Synteko Sealer).

**Important!** Vacuum and tack the floor before applying Synteko Extra. Do not forget to remove dust on skirtings, windowsills, radiators, etc.

#### Finishing

Work gently with the brush or roller, thus minimising 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 finish used. If the humidity of the air is low and/or the air temperature is high, increase the amount of finish used. Always avoid direct sunshine on the floor, which may heat the hardwood resulting in too quick drying.

When using an applicator, use the "snow plow" method in continuous, steady movements.

When the whole surface has been completed, leave doors ajar. Avoid direct air drafts over the surface of the floor. Normal airflow is sufficient for the drying of the finish.

If further coats are desired, let dry for 4 to 6 hours and repeat sanding, vacuum cleaning and application procedures as mentioned above. However, 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:** After completion of the application, allow the moisture to evaporate for one week before laying rugs. The surface must not be covered with non-porous protective materials. Tape must not be used on waterborne finishes.

## **RE-FINISHING OF PREVIOUSLY FINISHED FLOORS**

To re-finish a previously finished floor, the surface must be completely free from grease, wax, polishes, etc.

If the surface has been treated with wax, sand to bare wood removing all of the old finishes ensuring good adhesion.

Before re-finishing clean with Synteko Remover 1692, then clean with 10% vinegar in 90% water to remove all residues of grease, polishes, etc. and finally wipe the floor with pure water. Sand or screen with a used 120 or 150 grit to obtain a matte surface, and vacuum clean thoroughly. Apply one or two coats of Synteko Extra. Do not apply more than one coat a day.

When the surface has been screened, an adhesion test should be made. First, a small area is coated with finish. After it has dried, scraping the area with the edge of a coin tests the adhesion. If the finish layer loosens, it did not adhere correctly, and complete sanding to bare wood is necessary.

## **TREATMENT OF UV-CURED FLOOR FINISHES**

We recommend using Synteko Best 1643, 1644, 1645 two-component floor finish.

## **CARE AND MAINTENANCE**

The floor can be used with caution 8 hours after the last coat is applied. Furniture can be placed after 24 hours and rugs after one week. Do not clean floor with water or detergents during the first month.

Surfaces treated with Synteko Extra are easy to keep clean. Vacuum cleaning and, if necessary, mopping with a Synteko Super Clean 1697 solution and a well wrung cloth is normally sufficient. Marks from rubber heels, shoe polish, lipstick, ink, etc. should be removed immediately with Synteko Remover 1692 or with mineral spirits. Avoid scrubbing with coarse brush or strong detergents.

Periodic use of Synteko Newshine 1696 in high traffic areas will help to protect the floor. Synteko Newshine 1696 can also be used to restore light scratch marks. Attach felt pads to the legs of chairs and tables in order to avoid scratching the finish.

## HEALTH & SAFETY INFORMATION

Keep out of reach of children. Safety data sheet available for professional user on request. Detailed information and guidance is provided in our MSDS (Material Safety Data Sheet).



Akzo Nobel Decorative Coatings AB  
Synteko Floor Finishes  
SE-205 17 Malmö, Sweden  
Phone: +46 40 355000  
www.synteko.com  
Email: info@synteko.com



*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.*

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