



# SYNTEKO CLASSIC

## 1636 matte, 1637 semi-gloss, 1646 gloss

### GENERAL DESCRIPTION

Synteko Classic is a fast drying, two-component, acid-curing finish for hardwood floors in residential and commercial areas. Synteko Classic gives maximum resistance to wear, scratching, scuffing, marring and chemicals. It is therefore ideal for surfaces subjected to heavy wear. Synteko Classic can be used on untreated or previously finished surfaces.

**Note:** Synteko Classic must be mixed with Synteko Hardener 1647 before use (see mixing instructions below and please read separate Product Information for more detailed information on Synteko Hardener 1647).

### TECHNICAL DATA

<b>Base material</b>	Two-component acid-curing alkyd and amino resins
<b>Solids content</b>	Approx. 48%
<b>Solvent</b>	Ethanol, ethylglycol, methoxypropanol, butanol
<b>Density</b>	Approx. 980 kg/m <sup>3</sup> (8,18 lb/gal US) (9,82 lb/gal UK)
<b>Hardener</b>	p-Toluene sulphonic acid in ethanol and propylene glycol monomethyl ether
<b>Coverage</b>	* 7-15 m <sup>2</sup> /l
<b>Drying time</b>	First application: Approx. 1 hour at 23°C (73°F)/50% RH Second application: Approx. 2 to 3 hours at 23°C (73°F)/50% RH
<b>Hardness</b>	Approx. 150 sec. (SIS 18 41 86)
<b>Crack formation</b>	No crack formation after 20 cycles. Cold check test ±20°C /+40°C (±40°F/+104°F)
<b>Gloss</b>	Approx. 90 for Gloss (measured at 60°) Approx. 50 for Semi-Gloss Approx. 35 for Matte
<b>Abrasion resistance</b>	Approx. 8 mg/100 revs. (SIS 92 35 09)
<b>Chemical Resistance</b>	Very high resistance to grease, water and domestic chemicals
<b>UV resistance</b>	No discoloration (18 hours)
<b>Shelf life</b>	24 months in tightly closed packing
<b>Storage</b>	Not sensitive to freezing
<b>Cleaning</b>	Clean tools with ethanol

\* Depending on tools and wood species

### MIXING AND POT-LIFE

Shake containers well before mixing. Then mix 1 part by volume of Synteko Hardener 1647 and 10 parts by volume of Synteko Classic. Mixing can take place in plastic, glass or undamaged enamelled vessel. Mix well but avoid forming air bubbles. The mixture can be used for 8 hours provided it is stored in a closed container.

## 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.

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

**Note:** Oily and resinous wood species such as teak should be coated as soon as possible after machine sanding.

#### Sealing and Finishing

During use, the finish should have room temperature.

Floor temperature:           Between 15 and 25°C (60 and 77°F).

Moisture contents of wood: Between 5 and 15%.

Provide for good ventilation during the first application to increase air circulation and improve drying. Second and third applications should be made with normal ventilation, as draught over the finished surface induces an unfavourable drying procedure. Avoid direct sunshine during finishing as the curing process will be accelerated in such areas.

After preparation of the surface, application of finish can take place with brush, roller or applicator. After drying, an intermediate sanding with used 120 grit sandpaper should be made. Then vacuum thoroughly and apply the second coat. In case a third coat is required, follow the same procedure.

Porous wood species like pine, spruce and beech require three coats of finish, whereas other wood species normally require two coats.

**Note:** Pine with large proportion of heart-wood has a tendency to become reddish in combination with acid-curing finishes. This tendency can be eliminated by first treating with Synteko Primer 1660 (see separate Product information). Exotic wood species or chemically treated hardwood floors like stabilised brown-beech and ammonia-treated (smoked) oak should be primed with Synteko Primer 1660 prior to finish application.

### TREATMENT OF PRE-FINISHED FLOORS

First, clean the floor with Synteko Remover mixed in water. Then sand or screen the floor using a very fine paper (180-240 grit) or an abrasive pad until surface has turned matte. Vacuum thoroughly, and tack the surface using a cloth dampened with ethanol to completely remove all the dust. Apply one or two coats of Synteko Classic.

**Note:** When the surface has been screened, an adhesion test should be done. First, a small area is coated with finish. After it has dried, scrape 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. Do not use Synteko Classic for recoating of waterborne finishes, 2-component solventborne polyurethane finishes or alkydbased finishes. Use Synteko Best 1643, 1644, 1645 two component, waterborne floor finish for re-coating such finishes.

## CARE AND MAINTENANCE

A wooden floor finished with Synteko Classic dries within approx. 4 hours depending on the conditions. Periodical airing removes the formaldehyde fumes. Furniture can be placed after 24 hours. Wait for a week before placing rugs. For the first 4 weeks after finish application, the floor should be handled with utmost care, as the finish has not completely hardened through. After approx. 2 months the water resistance is very high, but in any case the surface should not be exposed to water or moisture for long periods.

Surfaces treated with Synteko Classic are easy to keep clean. Vacuum cleaning and, when 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.

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

Detailed information and guidance is provided in our MSDS (Material Safety Data Sheet). The following only represents a selection of important information.

**Note:** Highly flammable. Irritant. Contains Butanol. Keep away from sources of ignition - No smoking. Keep container tightly closed in a well ventilated place. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep out of reach of children.



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Date: 2004-04-07