

SYNTEKO®

A SIKA BRAND



SYNTEKO TOP 5

1-component water base floor finish for areas from normal to heavy wear in residential areas and offices

- + Strong and durable
- + Low VOC
- + NMP free
- + High coverage rate = low cost per m²
- + Excellent wear resistance and resistance to liquids and households chemicals
- + Only Extra Matte finish in Synteko range
- + Additionally available in Matte, Satin and Gloss

TECHNICAL DATA:

BASE MATERIAL	Waterborne acrylic/polyurethane dispersion
SOLIDS CONTENT	Approx. 33% (ISO 3251)
PH	Approx. 8,0
VISCOSITY	Approx. 20 sec. (ISO 2431)
DENSITY	Approx. 1040 kg/m ³ (ISO 2811-1)
COVERAGE	8–15 m ² /L, depending on tools and wood species
ABRASION RESISTANCE	Approx. 5,0 mg/100 revs. (SIS 92 35 09)
SCUFF RESISTANCE	No marks at 3 kp/cm ²
GLOSS (MEASURED AT 60°)	Ca. 5 for extra matte Ca. 20 for matte Ca. 45 for semi-gloss Ca. 90 for gloss
DRYING TIME AT 23°C (73°F)/ 50% RH	4 to 6 hours each coat Final strength after 10 days
STORAGE	Store frost-free. Must be stored between +10°C and +25°C
SELF LIFE	12 months in unopened container
PACKAGE SIZE	5L

PRODUCT PROPERTIES:

- very good resistance to wear
- high resistance to scratching, scuffing, marring
- strong resistance to grease, water, alcohol and household chemicals
- non-yellowing
- the product is ready to use

TOOLS:

- Applicator with mohair felt. Approx. 5 mm pile high 300-500 mm width
- Roller with synthetic material approx 8 mm pile high
- Clean tools with water immediately after use.

DURING APPLICATION

- The finish should be at room temperature of max. 23°C.
- Floor temperature must be between 15 and 25°C.
- Floor moisture content must be between 5 and 15%
- Humidity must be 50 – 60% RH

① Finishing of unfinished floors or floors where old finish must be removed

1. PREPARATION

- 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 timber fibres by swelling back to its original volume. The aim is close up the timber grain especially on those timber species that have a tendency to swell with moisture.
- Vacuum and tack the floor before applying the finish. Do not forget to remove dust on skirtings, windowsills, radiators, etc.

2. SEALING

- Use Synteko SEALMASTER for sealing (read separate Product Information).
- The first coat is intended to seal the wood. Do not apply to heavy coat on less absorbing kind of wood.
- 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 which could result in application marks/lines.
- 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. Avoid airflow over sealer/floor finish during application.
- Wait until the wood has an even colour tone before performing intermediate sanding. For intermediate sanding use a screen or paper 150 grit or finer.
- Vacuum and tack the floor before applying Synteko top coats. Do not forget to remove dust on skirtings, windowsills, radiators, etc.

3. FINISHING

- Work gently with the applicator or roller, thus minimizing the amount of air mixed into the finish. When using an applicator, use the "snow plow" method in continuous, steady movements.
- Be careful in corners and other places where finish may be applied in increased amounts. Use a smaller brush in such areas to avoid picture framing or overlap marks.

- 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 of the floor finish.
- 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 the finish dry for 4 to 6 hours and if necessary do the intermediate sanding, use a screen or paper 150 grit, vacuum cleaning and apply the finish as described above. However, do not apply more than two coats per day (sealer and/or finish) in order to allow the finish to dry

② Re-finishing of previously finished floors

1. PREPARATION

- An absolute requirement for re-finish or touching up a previously finished surface is that it is free of grease, polish or similar substances.
- If the floor has been waxed, it should be sanded down to bare wood prior to finishing.
- If the floor has been treated with polish, an adhesion test must be carried out. 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.
- Before re-finishing clean with Synteko Remover
- 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/abrade with a 150 grit or courser to obtain a matte surface.
- Vacuum clean thoroughly.

2. FINISHING

- Apply one or two coats of Synteko waterbased top finish following instructions described in chapter I.
- Do not apply more than one coat a day.

③ Treatment of uv-cured floor finishes

1. PREPARATION

- Sand or screen the floor using a very fine paper (180-240 grit) or an abrasive pad. Screen the surface until it has turned matte.
- Vacuum thoroughly, and tack the surface with a damp clean cloth to completely remove all the dust.
- An adhesion test must be carried out. 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

2. FINISHING

- Apply one or two coats of Synteko waterbased top finish following instructions described in chapter I.



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