

Premium Hardwax-Oil

Technical Data Sheet

January 2016

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- » quick drying - complete coating in one day
- » colourless and coloured
- » natural surface treatment for all wood and cork floors, table and counter tops and other wood surfaces
- » simple - economically
- » oxidative drying

Product characteristics: Open-pored surface finish based on natural plant raw materials (oils and waxes), especially created for all kinds of wooden floors (acc. to German DIN 18336) and for cork floors. Open-pored (allows wood to breathe) and moisture regulating. Reduces swelling and shrinking of the wood. Penetrates deeply into the wood surface and offers therefore a long durability. Protects in a natural way, is extremely durable and resistant. Ultra matt, Matt, Satin matt or High gloss surface - whatever requested - hard-wearing, water and dirt repellent. Unsusceptible to household chemicals as well as coffee, wine or aggressive fruit juices (acc. to German DIN 48861-C). Surfaces treated with SAICOS Premium Hardwax-Oil are easy to clean, maintain and renovate. Slip resistant R 9: 3310/3305/3200/3035/3100/3317/3319/3328/3381/3385. Saliva and sweat resistant acc. DIN 53160 T.1+2. Complies with the migration behavior according to DIN EN 71T.3. DIBt approval: Z-157.10-4: 3310/3305/3200/3035/3100/3317/3319/3328/3381/3385/3299/3333.

Colours:

3310	Ultramatt*	colourless
3305	Matt	colourless
3200	Satin matt	colourless
3035	High gloss	colourless
3100	White	transparent matt
3317	Silver Grey	transparent matt
3319	Black	opaque ultra matt
3328	Teak	transparent matt
3381	Walnut	transparent matt
3385	Rosewood	transparent matt
3299	Effect**	transparent
3333	Pure	transparent ultra matt

Additives for 3310 ultramatt, 3305 matt, 3200 satin matt, 3035 high gloss:

3240	Anti-Slip R 10
3241	Fire Protection
3242	UV Protection
3243	Hardener 2K

SAICOS Premium Hardwaxoil can be individually used with additive UV Protection, Anti-Slip R10 and Hardener 2K – or optionally with two or three additives. One additive per can.

Hint: Use maximum one additive for SAICOS Premium Hardwax-Oil only. In case more than one additive is used mix everything in a separate can. The quantity in the additive cans fit the particular can size 0,75 L and 2,5 L.

Fire Protection class C_{fi}-s1: first the *Impregnation Fire Protection* is rolled then the final coating of SAICOS Premium Hardwax-Oil with the *Additive Fire Protection* is applied achieving the Fire Protection class C_{fi}-s1.

Important: use the SAICOS Premium Hardwax-Oil with hardener within one hour. After opening the can do not close it again.

***Attention:** Processing with Floor Brush is not possible. If another layer is applied, an intermediate sanding (grain 150) must be made.

****Note:** Use 3299 as primer only, final coat has to be either 3200 or 3035.

Note: All colours are mixable with each other. If having tins from different batches, please mix these before usage. The colour result depends on several factors: besides the wood species and quality the sanding is also crucial. We recommend a trial coating on original timber in order to obtain the most accurate preview of the later result (acc. to German DIN 18356).

Fields of application:

All kinds of indoor wood flooring: parquet, solid wood floors, strip parquet, veneer wood...

All kinds of cork floors: parquet, cork tiles ...

Also for other high-wear wood surfaces: counter and table tops, furniture and other interior wood – also recommended for children's toys and other wood objects. Ideal for use in rooms with high humidity such as bathrooms and kitchens.

Preparation: Wood surface must be dry and clean (max. moisture content 12 %). Any paints and varnishes must be removed (final sanding grain 120-150). Remove dust thoroughly. Previously oil- or wax-treated surfaces do not require sanding (cleaning with *Ecoline Magic Cleaner*) except wood which is strongly greyed or worn. Pre-treat wood tending to develop blue stain in rooms with high humidity (pine and other soft woods in kitchens and bathrooms) with SAICOS Wood Impregnation biocidefree (drying time at least 18hrs.). For bathroom furniture we recommend one coat of SAICOS Ground Oil Extra Thin and subsequent two coats of SAICOS Premium Hardwax-Oil.

Processing: Apply with SAICOS Oil / Wax-Roller, SAICOS Floor Brush or SAICOS Flat Brush. SAICOS Premium Hardwax-Oil is ready to use. Stir well – do not thin.

Note: Do not pour SAICOS Premium Hardwax-Oil directly on the surface, rather work with a Paint Tray.

This product can be used with machinery. For further information please contact your dealer.

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Important note: We recommend *SAICOS Ground Oil Extra Thin* as first coat for floors made of hardwoods / exotic woods (European and oversea hardwoods / exotic woods) and commonly known woods such as Smoked Oak, Meranti, Wengé, Merbau, Jatoba and Ipé. Please see technical data sheet.

Number of coats:

Untreated wood: 2 coats (no primer required).

Renovation: 1 coat usually sufficient.

1st coat: Apply evenly and thin.

Note to 3310: After the first coat white spots can occur in areas with knots, which will no longer be visible after the second application.

2nd coat: Apply evenly and thin.

Note to 3299: use only as primer, final coat has to be either 3200 or 3035.

Processing on cork floors: Apply with *SAICOS Oil / Wax-Roller* or *SAICOS Universal Roller "Small"*. The oil will be absorbed quickly, apply 1st coat thinly and remove immediately with a spatula.

Best processing temperature: between 8 °C and 35 °C

Coverage per liter: approx. 14 m² (2 coats)

Coverage depends on wood species and surface structure.

Consumption on cork floors may be higher depending on cork type.

Drying time: min. 3 - 5 hours (depending on temperature and air humidity). Dust-dry after approx. 4 hours.

Full curing of the surface after approx. 4 - 5 days. Oxidative drying – provide open windows during and after processing to reach a good air circulation.

Drying time cork floors:

min. 6 - 10 hours (depending on temperature and air humidity). Oxidative drying – provide open windows during and after processing to reach a good air circulation. Remove excess with an absorbent cloth or equalize with a white pad. Drying as described above.

Easy maintenance:

Cleaning and maintaining:

Daily cleaning with mop, duster or vacuum cleaner. Can be mopped damply (*Ecoline Wash Care*). Refreshing care and cleaning with *SAICOS Wax Care*.

Note: An initial maintenance with *SAICOS Wax Care* is also recommended for newly laid, industrially treated floors.

Renovation: We recommend cleaning with *Ecolin Magic Cleaner*. No sanding required. We recommend a slight sanding of the surface (grain 150) and a subsequent new coat of *SAICOS Premium Hardwax-Oil* (single machine white pad) on the cleaned surface.

Cleaning of tools:

with *SAICOS Brush Cleaner*.

Storage:

At least 5 years in sealed container. The liquid product is not susceptible to frost. To restore good spreadability after exposure to frost, store at room temperature for several hours and stir well.

Physical properties:

Density: 0,84 - 0,95 g/cm³

Viscosity: 55 - 95 seconds, 4 mm cup, DIN 53211

Odour: faint/mild, odourless when dry

Flashpoint: > 61 °C according to DIN 53213.

Safety Instructions – First Aid

Keep out of the reach of children. Do not fill into food, beverage or other containers used for foodstuffs. Wash out any product-soaked rags immediately or store in an airtight container (danger of combustion). The dried coating is normally inflammable acc. to EURO norm EN 13501 (DIN 4102 B2).

3310 / 3035 / 3319 / 3333 contains:

2-Butanonoxim. May cause allergic reactions.

3305 / 3200 / 3100 / 3317 / 3328 / 3381 / 3385 / 3299 contains:

2-Butanonoxim; phthalic anhydride.

May cause allergic reactions.

Material safety data sheet available on request.

EU limit for one component coatings (cat. A/i): 500 g/l (2010). *SAICOS Premium Hardwax Oil* contains max. 500 g/l VOC. GISCODE: Ö60. GGVSEB / ADR -/- · WGK 1 labelling according to German standards

Our application advice is provided to the best of our knowledge and based on experiments, however, applies only as a non-binding recommendation and does not exempt you from testing the products supplied by us as to their suitability for the intended purpose. Since the application and processing of the products is beyond our control, the responsibility rests solely with the user. With publishing a new technical data sheet the previous loses its validity.

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