



# HARDWAX-OILS CLASSIC and PREMIUM quick drying

THE NATURAL FINISH FOR WOOD AND CORK FLOORS  
WORK AND TABLE TOPS AND OTHER HARD USED WOOD SURFACES  
SIMPLE - ECONOMICAL - GOOD FOR THE WOOD

## PRODUCT CHARACTERISTICS:

Colourless, microporous surface finish based on natural vegetable raw materials (oils and waxes), especially created for all kinds of wooden floors (accd. to German DIN 18336) and for cork floors.

Non-slip R 9.

Microporous (allows wood to breathe) and moisture regulating. Reduces swelling and shriking of the wood.

Penetrates deeply into the wood surface, therefore the long durability. Complies with the natural requirements of the wood and protects it naturally. It is extremely durable and resistant.

Surface will be non-slip, water and dirt repellent.

Coffee, wine or aggressive fruit juices cannot penetrate and can therefore be easily removed.

Surface treated with SAICOS HARDWAX-OILS are easy to clean and easy to maintain.

**They will always keep their natural beauty.**

## COLOURS:

### HARDWAX-OIL CLASSIC

#### Colourless:

**3000** colourless, satin mat.

#### Coloured:

**3100** white transparent, satin mat.

**3319** black opaque, ultra mat (not reflecting).

### PREMIUM HARDWAX-OIL quick drying

**3310** colourless, ultra mat,

**3305** colourless, mat,

**3200** colourless, satin mat,

**3035** colourless, satin gloss.

For a white-lyed looking appearance SAICOS HARDWAX-OIL white transparent (No. 3100) as first (ground) coat. For different coloured surfaces apply SAICOS COLOR WAX in desired colour shade as first coat.

Always apply SAICOS HARDWAX-OIL CLASSIC or PREMIUM as finishing coat (exception: HARDWAX-OIL black opaque ultra mat 2 coats will be sufficient, no finishing of HARDWAX-OIL colourless required).

## FIELD OF APPLICATION:

Indoor floors of all wood species, hard and soft woods: parquet, solid wood, multiply and veneered wood, OSB etc. All kinds of cork floors: parquet and cork squares.

Very well suited for other heavy-duty wood surfaces like table and counter tops.

Also recommended for children's toys and other wood objects.

Ideal for use in rooms with high humidity like bathrooms and kitchens.

## APPLICATION PROCEDURE:

### Preparation:

Bare wood surface must be clean, dry and smooth (max. humidity 15 %). Any paints and varnishes must be removed. Final sanding grain 120-150. Remove dust carefully.

Wood tending to develop blue stain in rooms with high humidity (pine and other soft woods in kitchens and bathrooms) pretreat with SAICOS WOOD IMPREGNATION biocidfree (preventive protective against blue stain and mildew, drying time at least 18 hrs. before applying finish).

Apply on frostfree wood only.

Recommendation: in rooms with high air humidity only stainless steel or zinc coated screws and nails should be used on floors and furniture.

### Application:

**On wood floors:** apply with SAICOS oil/wax roller, floor brush or flat handbrush (pure bristles) or spring spatula. When applied by brushing machine follow directions of manufacturer.

SAICOS HARDWAX-OIL is ready to use, stir well, do not thin.

**1st coat:** apply evenly and thinly. Remove surplus material with lintfree absorptive cloth.

**Drying time:** 8 hrs. (depending on temperature and air humidity). Ensure good ventilation.

**Note: on hardwoods like Meranti, Wengé, Merbau, Jatoba, Smoked Oak, etc. SAICOS COLOR WAX EXTRA THIN is recommended for first coat, because it penetrates more easily into the hardwood surface.** Leave to dry approx. 20 minutes, then remove any surplus with cloth, do not leave moist spots on surface of the wood.

**2nd coat:** also apply thinly and leave to dry as above, no further treatment of floor required.

If a modern, white lyed-looking effect on the wood surface is desired which is very attractive on spruce and fir, oak and birch - but also on cork floors - simply apply SAICOS HARDWAX-OIL white transparent as first coat (and HARDWAX-OIL as second).

Just as easily a coloured surface can be produced using SAICOS OIL-GROUND COAT DuoTop or SAICOS COLORWAX for first coat. Available in a great variety of colours. The second and final coat will be SAICOS HARDWAX-OIL as before. This will also protect the colour pigments from abrasion and ensure the usual high wear resistance. The floor treated like this will look as natural as if grown "coloured".

**On cork floors:** application with SAICOS oil/wax roller.

**1st coat:** apply very thinly and remove eventual surplus immediately with varnish filler (the oil is quickly absorbed into the porous cork surface).

Leave to dry approx. 24 hrs. Ensure good ventilation. (white or coloured ground coats see above).

**2nd coat (and eventually 3rd):** also apply thinly. Remove surplus with absorptive cloth or even out with white pad. Leave to dry approx. 24 hrs. Ensure good ventilation.

### Professional application by spraying:

#### With beaker pistol:

All SAICOS products can be sprayed with a beaker pistol, nozzle size 1,0 - 1,8, spray-gun pressure 1,5 - 2,5 bar.

#### HVLP (High Volume/Low Pressure)

is a system with a high volume flow and low air pressure. All SAICOS products can be applied with this HVLP system whereby the individual adjustment is important.

#### Airless/Airmix spraying:

for airless spraying the material is pressed with a pump through the nozzle, and the form of the nozzle decides the result. The pressure depends on the pump and is variable. All SAICOS products can be applied with this airless and airless plus spraying system. It is recommended to work with low pressure when viscosity is low.

**Note:** Spraying qualities depend on the nozzles chosen and the spraying pressure. It is recommendable for each user to decide on his individual adjustment as there are different spraying systems on the market (follow manufacturer's directions).

#### BEST TEMPERATURE FOR APPLICATION:

between 8° C und 35° C.

#### NUMBER OF APPLICATIONS:

2 - no extra ground coat  
(for renovation one coat will usually be sufficient).

#### CLEANING OF WORKING UTENSILS:

With SAICOS BRUSH CLEANER<sup>benzene-free</sup> (disaromatized = low odour).

#### DRYING TIMES:

##### SAICOS HARDWAX-OIL CLASSIC

approx. 8 hrs. (cork approx. 24 hrs) depending on temperature and air humidity (oxidative drying, ensure good ventilation).

Dust dry 4-6 hrs.

##### SAICOS PREMIUM HARDWAX-OIL

No. 3200 dries within 3-4 hrs.,  
3035 satin gloss, 3305 mat and 3310 ultra mat 5-6 hrs.  
(cork floors approx. 10 hrs.)

Dust dry 2 hrs.

All surfaces treated with SAICOS HARDWAX-OILS will harden further after the indicated drying time and will attain their final resistance and easy-care surface after a few weeks (according to wood species and temperature).

#### EASY MAINTENANCE:

**Every day cleaning** with mop, duster, vacuum cleaner or electrical floor polisher (cleaner). **For moist cleaning** add some SAICOS WASH CARE ADDITIVE to the water.

**For freshing up and removal of heavy stains** use SAICOS WAX CARE. Put sparingly on cloth or directly on floor/wood surface and wipe. To remove persistent stains or soils, put WAX CARE on SAICOS POLISHING PAD or Scotchpad and rub off.

**Renovation:** is also extremely easy - no sanding required, just apply new coat of SAICOS HARDWAX-OIL on clean and dry surface (**can also be applied partially - no visible laps**).

**Note:** If heavily soiled or damaged clean thoroughly with SAICOS MAGIC CLEANSER before renewing HARDWAX-OIL coat.

#### INGREDIENTS:

over 50 % solid contents.

**Natural vegetable waxes and oils:** Carnauba and Candelilla wax, soybean, sunflower and thistle oils, paraffin waxes.

**Additives:** Zinc-Zirconium-Cobalt-octoates (drying agents from leadfree minerals). 2-Butanonoxim (prevents forming of skin). Polysiloxanes (silicid acid base, extremely water-repellent).

**Volatile ingredients:** aliphatic hydrocarbons (disaromatized white spirit - benzolefree - complies with purity demands of the European pharmacopoeia),

**EU limit value for Hardwax-oils (cat. A/i): 500 g/l (2010). SAICOS HARDWAX-OILS contains maximum 435 g/l VOC.**

#### PHYSICAL PROPERTIES:

Specific gravity: 0,89 - 0,92 g/cm<sup>3</sup>.

Viscosity: 90 sec, 4 mm cup, DIN 53211,

slightly thixotropic, creamy.

Odour: mild/weak (after natural vegetable oils and waxes), odourless when dry.

Flashpoint: over 61° C after DIN 53213 (according to EURO-Norm identification not required).

#### SAFETY ADVICE:

Keep out of the reach of children. Do not fill into containers normally used for food and drink. Do not bring into contact with victuals and animal food. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Do not apply in the presence of naked flames.

Wash out any used cloth immediately or store in airtight container (danger of combustion). Dried coat normally inflammable (EURO-Norm EN 13501 - DIN 4102).

#### STORAGE PROPERTIES:

Can be stored at least 5 years in closed container.

Frost resistant. If thickened by frost, store at room temperature for some hours to regain normal consistency and stir up well.

#### COVERAGE CAPACITY PER LITRE:

1 L = approx. 13,5 m<sup>2</sup> with 2 coats,  
= approx. 23,0 m<sup>2</sup> with 1 coat.

#### CAN SIZES AND COVERAGE:

0,75 L = approx. 10 m<sup>2</sup> 2 coats,  
approx. 17 m<sup>2</sup> 1 coat;

2,5 L = approx. 33 m<sup>2</sup> 2 coats,  
approx. 57 m<sup>2</sup> 1 coat;

10,0 L = approx. 135 m<sup>2</sup> 2 coats,  
approx. 230 m<sup>2</sup> 1 coat;

25,0 L = approx. 330 m<sup>2</sup> 2 coats,  
approx. 570 m<sup>2</sup> 1 coat;

(dependent upon wood species and state of surface).

#### HEALTH AND ENVIRONMENT:

SAICOS HARDWAX-OILS contains neither biocides nor preservatives. It does not require identification after the ordinance of dangerous materials, and is physiologically harmless. The dried finish complies with German DIN 53160 T. 1+2 (fast to perspiration and saliva) and the EURO-Norm EN 71 T. 3 (assessment of migration behaviour) = suitable for children's toys.

The above information is given to the best of our knowledge but without liability.

All SAICOS products are made in Germany.

#### SAICOS COLOUR GmbH

Carl-Zeiss-Str. 3 · D-48336 Sassenberg · phone +49 (0) 25 83 30 37-0  
fax +49 (0) 25 83 30 37-10 · email info@saicos.de · www.saicos.de