

ENVIRONMENTALLY FRIENDLY · NO BIOCIDES · NO PRESERVATIVES
SAFE FOR CHILDREN'S TOYS



Technical Data Sheet
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PREMIUM HARDWAX-OIL HIGH SOLID

QUICK DRYING - ONLY 3-4 HRS

SPECIAL FINISH FOR ALL WOOD AND CORK FLOORS
WORK AND TABLE TOPS AND OTHER HARD USED WOOD SURFACES

PRODUCT CHARACTERISTICS:

Quick drying, colourless, microporous surface finish based on natural vegetable raw materials (oils and waxes), especially developed for all kinds of wooden floors (after DIN 18356) and cork floors.

Protects the wood naturally.

Allows it to breathe, and is moisture regulating.

Reduces swelling and shrinking.

Especially high penetration, therefore long durability - wear and abrasion resistant.

Contrary to customary hardwax oils the SAICOS PREMIUM HARDWAX-OIL is quick drying, so that the second coat can normally be applied the same day.

The satin mat, non-slip surface, is water and dirt repellent. Coffee, wine or aggressive fruit juices cannot penetrate into the treated surface, and are easy to remove.

Floors treated with SAICOS PREMIUM HARDWAX-OIL are easy to clean, to maintain and to renovate.

COLOUR:

3200 colourless, satin mat,

3310 colourless, ultra mat

3319 black, ultra mat.

(For "whitened" floor apply prime coat of SAICOS HARDWAX-OIL GROUND COAT WHITE). For other coloured surfaces use respective colours of SAICOS COLOR WAX transparent (then finish with top coat SAICOS PREMIUM HARDWAX-OIL or SAICOS CLASSIC HARDWAX-OIL).

FIELDS OF APPLICATION:

Indoor floors of all wood species: parquet, solid wood, multiply and veneered wood, OSB etc.

All kinds of cork floors: parquet and cork squares.

Also for other heavy-duty wood surfaces like table and work 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 %). 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).

Apply on frostfree wood only.

Application

On wood floors: apply with SAICOS Oil/wax roller (5 mm velour), floor brush or flat handbrush. When applied by brushing machine follow directions of manufacturer.

SAICOS PREMIUM 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: 3 - 4 hrs. (ultra mat approx. 5 hrs) depending on temperature and air humidity. Ensure good ventilation.

Note: on hardwoods like Meranti, Wengé, Merbau, Jatoba, Oak, etc. SAICOS COLOR WAX CLEAR^{EXTRA THIN} is recommended for first coat, because it penetrates more easily into the hardwood surface.

2nd coat: also apply thinly and leave to dry as above.

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 - apply SAICOS HARDWAX-OIL WHITE PRIMER as first coat.

Just as easily a coloured surface can be produced using SAICOS COLORWAX for first coat (available in a great variety of colours). The second and final coat will be SAICOS PREMIUM HARDWAX-OIL colourless 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 (5 mm velour),

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. 6 hrs. (ultra mat approx. 10 hrs.)

Ensure good ventilation.
(white or coloured ground coats see above).

2nd coat: also apply thinly. Remove surplus with absorptive cloth or white pad.

Leave to dry approx. 6 hrs. (ultra mat approx. 10 hrs.)
Ensure good ventilation.

All surfaces treated with SAICOS HARDWAX-OILS will harden further within 2-3 weeks becoming more and more resistant and easy-care.

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 (for refreshing usually 1 coat will be sufficient).

CLEANING OF WORKING UTENSILS:

With SAICOS BRUSH CLEANER^{benzenefree} (disaromatized = low odour).

DRYING TIME:

Approx. 3 - 4 hrs., cork approx. 6 hrs. (ultra mat approx. 5 hrs., on cork approx. 10 hrs.) depending on temperature and air humidity (oxidative drying - ensure good ventilation). Completely hardened after 4-5 days.

EASY MAINTENANCE:

Dry cleaning with mop, duster, vacuum cleaner or electrical floor polisher (cleaner). **Can also be washed** (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 Scotchpad and rub off.

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

INGREDIENTS:

Solid content: over 50 % (high solid).

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),

PHYSICAL PROPERTIES:

Specific gravity: 0,886 g/cm³.

Viscosity: slightly thixotropic, creamy.

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

Flashpoint: over 55° C after DIN 53213 (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.

COVERAGE CAPACITY PER LITRE:

1 L = approx. 13,5 m² with 2 coats,
= approx. 23,0 m² with 1 coat.

CAN SIZES AND COVERAGE:

0,75 L = approx. 10 m² 2 coats,
approx. 17 m² 1 coat;

2,5 L = approx. 33 m² 2 coats,
approx. 57 m² 1 coat;

10,0 L = approx. 135 m² 2 coats,
approx. 230 m² 1 coat;

25,0 L = approx. 330 m² 2 coats,
approx. 570 m² 1 coat;

(dependent upon wood species and state of surface).

HEALTH AND ENVIRONMENT:

SAICOS PREMIUM HARDWAX-OIL 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.