



WOOD IMPREGNATION^{biocidefree}

**NATURAL PROTECTION AGAINST BLUE STAIN AND MILDEW
 WITHOUT THE USE OF ORGANIC BIOCIDES
 FOR ALL INTERIOR (AND EXTERIOR) WOOD
 ESPECIALLY RECOMMENDED FOR SOFT WOODS IN MOIST SURROUNDINGS**

PRODUCT CHARACTERISTICS:

SAICOS WOOD IMPREGNATION^{biocidefree} is a natural special wood protection - entirely free from organic biocides - for wood which requires preventive protection against blue stain and mildew. It is developed in compliance with the latest results of scientific research on wood impregnation, and is intended for indoor application (safe for health and environment), but can also be used on outdoor wood where biocide-free and fungicide-free protection is desired.

SAICOS WOOD IMPREGNATION^{biocidefree} is an impregnating base coat particularly for wood tending to attract blue stain in moist surroundings like kitchen or bathroom f. i. pine and other coniferous (soft) woods.

SAICOS WOOD IMPREGNATION^{biocidefree} protects the wood naturally against blue stain, mildew and other damages caused by humidity.

It penetrates deeply into the wood, impregnates it and keeps it elastic.

COLOUR:

9000 colourless

FIELDS OF APPLICATION:

SAICOS WOOD IMPREGNATION^{biocidefree} is recommended for:

Interior wood:

Panellings on walls and ceilings, windows, doors, beams, mouldings...

Furniture: cupboards, chests of drawers, shelves, from solid wood or veneered.

Floors:

parquet, solid wood floors, multiply floors...

Exterior wood:

wooden claddings, construction wood, under-sides of roofs, framework, balconies, verandas, windows, shutters...

Wood in the garden:

pergolas, screens, trellis, fences, doors, summer houses and pavilions, carports, garden furniture...

SAICOS WOOD IMPREGNATION^{biocidefree} is a genuine alternative to wood preservatives containing biocides or fungicides, especially also for outdoor wood when an environmentally safe, **ecological** impregnation is desired - like for children's toys, sand-pits, garden furniture, tables etc.

APPLICATION PROCEDURE:

Preparation:

Wood surface must be clean and dry.

Ideal temperature for application between 8° C and 35° C.

Apply on frostfree wood only.

Application:

with SAICOS flat brush (pure bristles) or short-haired roller.

Can also be applied by dipping.

Apply evenly and generously.

Application quantity at least 120 ml/m².

Dipping approx. 3 min., then let drip off.

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.

Apply on frostfree wood only.

NUMBER OF APPLICATIONS:

1

(required quantity 120 ml/m²).

CLEANING OF WORKING UTENSILS:

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

DRYING TIME:

Drying time before application of final finish:

At least 18 hrs,

or 30 hrs after dipping

(depending on temperature and air humidity).

Oxidative drying - ensure good ventilation.

FURTHER TREATMENT OF THE WOOD (FINISHING):

SAICOS WOOD IMPREGNATION^{biocidefree} is not a finishing product.

To ensure full effect of the impregnation a final finishing coat should be applied within a week.

As best matching products we recommend the SAICOS COLOR WAXES for indoor wood and our SAICOS PREMIUM HARD-WAX-OILS especially for wood flooring. For outdoor use SAICOS SPECIAL WOOD OILS for transparent finishes and SAICOS HOUSE & GARDEN COLOUR for opaque finishes.

All are microporous.

Not suitable are water-based acrylic paints, as SAICOS WOOD IMPREGNATION^{biocidefree} is produced on the base of natural vegetable oils and waxes.

INGREDIENTS:

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

Additives: Zinc-Zirconium-Cobalt-octoates (drying agents from leadfree minerals, repelling blue stain and mildew). 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 WOOD IMPREGNATION biocidefree (cat. A/h): 750 g/l (2010). SAICOS WOOD IMPREGNATION biocidefree contains maximum 570 g/l VOC.

PHYSICAL PROPERTIES:

Specific gravity: 0,83 g/cm³.

Viscosity: 24 sec, 3 mm cup, DIN 53211, liquid.

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

Flashpoint: over 61° 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.

Stir up well before use.

COVERAGE CAPACITY PER LITRE:

1 L required for approx. 8 m² = 120 ml/m².

CAN SIZES AND COVERAGE:

0,75 L = approx. 6 m²,

2,5 L = approx. 21 m²,

10,0 L = approx. 83 m²,

25,0 L = approx. 208 m²,

(minimum application quantity 120 ml/m²).

HEALTH AND ENVIRONMENT:

SAICOS WOOD IMPREGNATION ^{biocidefree} 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.

Characteristic Xn.

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

All SAICOS products are made in Germany.

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