

Technical Data Sheet (valid from batch #80000)

KUNOS Natural Floor Sealer No. 242

new quality

N means **LIVOS neutral** for the allergy-prone and chemically sensitive

Without orange oil

Range of application For interior untreated solid timber e.g. furniture, and floors. Only to a limited extent suitable for OSB and veneers. Not to be used on cabinet interiors, stained wood or plywood.

Technical qualities Free of cobalt and terpenes. Reinforces and deepens the natural color of the wood grain. Produces a matt film after one coat and a satin glossy finish after two to three coatings. Water-resistant after three coatings. Complies with the German Industrial Norm DIN 53 160 for color fastness when exposed to perspiration and saliva. Complies with the German Industrial Norm DIN EN 71 Part 3, suitable for toys. Free from organic chemical compounds according to DIN EN 71 part 9.

Full declaration Isoaliphates, linseed oil – stand oil – natural resin ester, castor oil - natural resin ester, wood oil, linseed oil, natural resin glycerol ester, micronized wax, silicic acid, dehydrated amino sugar and drying agents free of lead (Ca, Mn, Zr).

Colors 002 colorless

Application method Temperatures must be above 16 ° C.
Undiluted: by single disc rotary machine or orbital (eccentric) sander and grey felt pad.
Diluted with 10% SVALOS-Thinner No. 222 or No. 292: by brush, sealing brush or a lint-free cotton cloth.
Diluted with 10-20% SVALOS No. 292: by spraying device.
 For more details, please see page 2.

Coverage Determine the exact coverage by doing a test coat.
 First coat: 45 ml/m² i.e.1 liter (1.06 quart.) is sufficient for appr. 22 m² (237 ft²)
 Second coat: 11 ml/m² i.e.1 liter (1.06 quart.) is sufficient for appr. 90 m² (968 ft²)
 Third coat: 4 ml/m² i.e. 1 liter (1.06 quart.) is sufficient for appr. 250 m²/l (2691 ft²)

Cleaning Clean equipment immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.

Drying time At 23°C (73.4°F) and a relative humidity of 50%: first coat 12 hours, subsequent coats 24 hours. Final durability is reached after 4 weeks. At higher temperatures, please consider shorter drying times and polish in more quickly. At lower temperatures and higher humidity, please consider longer drying times as given.

Specific gravity Approximately 0.88 g/ml.

Safety advice Ensure good ventilation during and after application. Always make sure, that cleaning cloths, polishing pads, sponges, etc. which are still wet or even slightly moist with KUNOS Natural Floor Sealer No. 242, to store and dispose of in an airtight metal container or in water, otherwise there is a danger of spontaneous combustion caused by the plant oil content. The product itself will not combust spontaneously.
 P102 Keep out of reach of children.
 P301+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

Disposal According to locally regulated laws.

Container Size 0.05 l; 0.375 l; 0.75l; 2.5 l; 10 l; 30 l.

Storage Cool and dry. Shelf life: unopened at least 4 years. Opened products react with oxygen, over time skin formation and rancid smell can occur. Residues should be transferred into smaller containers.

How to use

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Wooden surface

Preparation

Wood must be dry (moisture content below 12 %), solid, able to absorb, free of resin and dust. Sand gradually and in accordance with the gradation of sandpaper, for **furniture** up to 240 grain, exception for oak up to 180 grain, for **floors** up to 120 grain with a roller grinder (grinding device with sandpaper roller), and then up to 180 grain with a grit.

Application

Remove possible skin formed on surface (in case of already opened containers) and stir thoroughly. Test application!

The **1st coat needs to be applied generously**. After 15-20 minutes distribute, polish and, if necessary, remove visible oil supernatants. The wood pores should be filled with the oil, but no oil should remain on the surface.

After at least 6– 12 hours of drying, the **2nd application** (one teaspoon per m²) can be done by immediate polishing.

After another 12 hours, the **3rd application** (the same way as the 2nd coat) can be done.

Three coats are necessary for optimal water resistance.

To reduce gloss level, additional final treatment with BIVOS-Oil Wax No. 375 (> 12 hours after the last application, polish very thinly).

Tools and dilution:

Undiluted: by single disc rotary machine or orbital (eccentric) sander and grey felt pad.

Diluted with 10% SVALOS-Thinner No. 222 or No. 292: by brush, sealing brush or a lint-free cotton cloth.

Diluted with 10-20% SVALOS No. 292: by spraying device.

Renovating old floors

Pore-clogged coatings (oil-based paints, lacquers, multi-layered coatings) and wax coatings must be sanded or stripped until there is no old residue. Open-pored old coatings must be cleaned and, if necessary, slightly sanded. Test the surface for absorbency and adhesiveness. Preparation and application are according to the wood description above.

Maintenance & Care

Clean with TRENA-pH-Neutral Cleaner diluted with water and wipe with a moist, but not wet cloth. Every 4th to 5th cleaning should be done with GLANOS-Natural Liquid Wax Cleaner No. 559 instead of TRENA. If the wooden surface looks matt, use KUNOS-Floor Maintenance No. 1862 or DRYADEN-Polish No. 560 as after-care. For people suffering from allergies there are products for after-care available free of cobalt and terpenes e.g. the KUNOS-Furniture Oil No. 245.

Important advice

The finer the sanding, the lower is the coverage. This also reduces the tendency of “wear and tear” and soiling of the surface. When sanding too coarse, the surface tends to water-sensitivity. **Exception for very hard, oil- and resin-rich types of wood:** Pre-sanding with 80 grain. After the 1st (generous) application, interim sanding with 280 - 320 grain. Further application see above.

Thermally Modified Timber absorbs very strongly. Either 3 generously applied coats of Natural Floor Sealer No. 242 (coverage is at least twice as high as indicated on the front-page) or prime with LINUS Wood and Cotto Oil No. 260 and then a final treatment with the KUNOS Natural Floor Sealer No. 242.

Wood not completely saturated with KUNOS Natural Floor Sealer No. 242, or where a coating layer did not form, may develop stains or discolor through water.

For veneers, minimum layer thickness is 0.5 mm after sanding, the 1st coat is to be applied sparingly.

For OSB apply 3 – 4 sparing coats with a brush. Cobalt free oils dry much slower when they are applied too thick.

These directions are the result of long years of research and practical testing. They are backed by our most current expert information. New findings may invalidate this information. The latest version is available on our website at www.livos.de. This data sheet is meant to serve as information and instruction. No legal liability should be interpreted from it. In case of doubt, please contact the LIVOS customer service (see page 1).