

## Technical Data Sheet

# KUNOS Natural Floor Sealer No. 242



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

### Without orange oil

<b>Range of application</b>	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.
<b>Technical qualities</b>	Free of cobalt and terpenes. Reinforces and deepens the natural color of the wood grain. Produces a matt film after 1 coat and a satin glossy finish after 2 - 3 coats. 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.
<b>Full declaration</b>	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).
<b>Colors</b>	002 clear
<b>Dilution</b>	Ready to use.
<b>Application method</b>	By brush, sealing brush, spraying device, single disc rotary machine or orbital (eccentric) sander and grey felt pad as well as lint-free cotton cloth at temperatures above 16°C (61°F).
<b>Coverage</b>	Determine the exact coverage by doing a test coat. First coat: 45 ml/m <sup>2</sup> i.e.1 liter (1.06 quart.) is sufficient for appr. 22 m <sup>2</sup> (237 ft <sup>2</sup> ) Second coat: 11 ml/m <sup>2</sup> i.e.1 liter (1.06 quart.) is sufficient for appr. 90 m <sup>2</sup> (968 ft <sup>2</sup> ) Third coat: 4 ml/m <sup>2</sup> i.e. 1 liter (1.06 quart.) is sufficient for appr. 250 m <sup>2</sup> /l (2691 ft <sup>2</sup> )
<b>Cleaning</b>	Clean equipment immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.
<b>Drying time</b>	At 23°C (73.4°F) and a relative humidity of 50%: first coat 6 -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.
<b>Specific gravity</b>	Approximately 0.91 g/ml.
<b>Safety advice</b>	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. EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Disposal</b>	According to locally regulated laws.
<b>Container Size</b>	0.375 l; 0.75 l; 2.5 l; 10 l; 30 l.
<b>Storage</b>	Cool and dry. Shelf life: unopened at least 4 years. Transfer unused product into a smaller container for storage in order to minimize excess air.

How to use

# KUNOS Natural Floor Sealer No. 242

## 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.

### Alternative:

Pre-sanding up to 120 grain and interim sanding after the first coat with 320 grain.

### Application

Stir thoroughly. Remove possible skin formed on surface. Test application! For devices without processing to the object oil with 10 % SVALOS Thinner No. 222 or No. 292 be diluted.

Depending on surface requirement, absorbency and kind of wood: 1 - 3 sparing to sated applications with brush, sealing brush, spraying device, single disc rotary machine or orbital (eccentric) sander and grey felt. With absorbent wood apply the first coat sated. The wood should be saturated after the 2<sup>nd</sup> application. The 3<sup>rd</sup> coat forms the layer. Polish 20 minutes after each application. Intermediate sanding after the first application with 280 to 320 grain. To reduce gloss level polish wafer-thin with BIVOS Oil Wax No. 375 as a 4<sup>th</sup> application.

## 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 4<sup>th</sup> to 5<sup>th</sup> 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 Furniture Oil No. 245.

## Important advice

The more finely 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 1<sup>st</sup> (sated) application, interim sanding with 280 - 320 grain. Further application see above.

Thermally Modified Timber absorbs very strongly. Either 3 sated applications with 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 treat with the 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 1<sup>st</sup> 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](http://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 retailer, wholesaler, or manufacturer.

August 2015