

KUNOS Natural Floor Sealer No. 246



Application range	Interior: solid wood – furniture and floors –, Multiplex and OSB on walls and ceilings. Only to a limited extent suitable for: veneers and plywood from 0.5 mm top layer – see page 2. Not suitable for: exterior use, chipboard, stained wood, cabinet interiors.														
Technical qualities	Impregnates the wood in depth; a protective layer builds up on top of it. Hard-wearing after three coats, satin gloss and water-repellent; the grain stands out clearly. Without plastic binders – bound with linseed oil, wood oil and natural resin esters. Free from fragrances and essential oils. Fully declared – including the substances that need not be named.														
Full declaration	Linseed oil, linseed stand oil natural resin ester, linseed oil wood oil stand oil, titanium dioxide (only in colour 204 White), natural resin glycerol ester, linseed stand oil, isopaliphates, silicic acid, micronised wax, dehydrated amino sugar, drying agents (Mn, Zr).														
Colours	002 Clear · 204 White.														
Dilution	Ready to use for brushing. For spraying add 10 %, for dipping 10–20 % SVALOS Thinner No. 222 or No. 292. Test spraying beforehand on a sample area with the equipment used.														
Application method	Remove any skin that may have formed, stir well, apply a test area. As a rule three coats by brushing, spraying, dipping , with a cloth pad , a single-disc machine or an orbital sander . Apply above 16 °C. Further information on page 2.														
Coverage	<table><tr><th>Coat</th><th>Consumption</th><th>Coverage</th></tr><tr><td>1st coat</td><td>approx. 45 ml/m²</td><td>approx. 22 m²/l</td></tr><tr><td>2nd coat</td><td>approx. 11 ml/m²</td><td>approx. 90 m²/l</td></tr><tr><td>3rd coat</td><td>approx. 4 ml/m²</td><td>approx. 250 m²/l</td></tr></table> Guide values; they vary with the type of wood and the sanding – apply a test area.	Coat	Consumption	Coverage	1st coat	approx. 45 ml/m²	approx. 22 m²/l	2nd coat	approx. 11 ml/m²	approx. 90 m²/l	3rd coat	approx. 4 ml/m²	approx. 250 m²/l		
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Cleaning	Clean tools immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.														
Drying time	At 23 °C and 50 % relative humidity 12 hours after the first coat and 24 hours after each further coat; final hardness is reached after 4 weeks. Warmth shortens the time, cold and high humidity lengthen it.														
Specific gravity	approx. 0.9 g/ml.														
Notes	Risk of spontaneous combustion from oil-soaked materials Cleaning cloths, polishing pads, sponges and sanding dust soaked with oil heat up as they dry; crumpled together, the heat builds up and can cause a fire. Therefore do not leave them unattended after use: immerse them in water and dispose of them wet, lay them out singly to dry through, or collect them in a closed metal container – soak the contents before emptying it. The product itself is not self-igniting – neither liquid nor applied. Ensure good ventilation during and after application.														
Safety advice	The product is not classified as hazardous under the CLP Regulation. Keep out of reach of children, never decant into food containers. If swallowed, do not induce vomiting; consult a doctor.														
Disposal	According to local regulations. Dried residues: household waste.														
Container sizes	0.05 l; 0.25 l; 0.75 l; 2.5 l; 10 l; 30 l; 200 l.														
Storage	Cool and dry. Unopened shelf life at least 4 years. Transfer residues.														

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Substrate	The wood must be dry, sound, absorbent and free from resin and dust. Wood moisture: below 12 %. Sanding: in stages – furniture up to 240 grit, oak up to 180 grit; floors up to 180 grit, for example with a roller sander up to 120 grit and then with suitable equipment up to 180 grit. Glues and adhesives must be fully cured.
Coating system	As a rule three coats; floors at least three. 1. Apply generously with a brush or flat brush. After 10–15 minutes polish in and remove any excess – with a grain-free oil absorbent pad and an orbital sander or with a lint-free cotton cloth. Harder woods such as walnut need longer, at most 25 minutes. 2. Spread drop by drop – about one teaspoon per m² – and polish in immediately. 3. As the second coat. For particularly smooth surfaces sand between coats after the first one: on furniture with a pad or fleece from 280 grit. On floors this is unnecessary if the excess has been removed carefully.
OSB	Pre-sand with a sanding screen of 120–180 grit – not with a roller sander, which removes too much of the load-bearing top layer. Then three coats; determine the quantity with a test application.
Veneers and plywood	Only from 0.5 mm top layer after sanding. Apply the first coat sparingly and remove the wet film after 5 minutes.
Renovation	Open-pored old coatings: clean them, sand if necessary and check the absorbency; then work as on bare wood. Pore-sealing old coatings such as oil paints, lacquers, high-build systems and waxes: sand or strip them off completely.
Cleaning and care	Wipe with TRENA pH-Neutral Cleaner No. 556 using a damp, not wet, mop – at most 10 ml (1 tablespoon) to 10 l of water. At every fourth to fifth cleaning use GLANOS Natural Liquid Wax Cleaner No. 559 instead of the neutral cleaner. If the surface looks matt, re-treat it with KUNOS Natural Floor Sealer No. 246, KUNOS Floor Maintenance No. 1862 or KUNOS Maintenance No. 1878. For a more matt surface LATIS Natural Wax Soap No. 1876 is suitable. Before the next oil coat the surface must be in the neutral pH range again – test it on a sample area first.
Notes	Sanding The finer the sanding, the lower the consumption and the less dirt the surface picks up. Sanding that is too coarse makes it sensitive to water. Green tinge on spruce If coarsely sanded spruce dries without daylight, the surface may look greenish. Provide light during the drying time. Grain enhancement The longer the oil acts, the more strongly the grain stands out. Remove wet oil completely from chamfers. Water stains As long as the wood is not saturated or the protective layer is missing, water can leave stains and discolouration. Gloss level It becomes more uniform with an after-treatment using ALISA Hard Wax No. 302. Final hardness After the drying time the surface can be used. Until final hardness after about 4 weeks avoid standing water, covering large areas and heavy mechanical stress.

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 p. 1).

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