

KUNOS Natural Floor Sealer No. 241



Application range	Interior: solid wood – furniture and floors –, multiplex board as well as OSB on walls and ceilings. Only to a limited extent suitable for: veneers and plywood from 0.5 mm top layer – see page 3. Not suitable for: exterior use, chipboard, stained wood, cabinet interiors.														
Technical qualities	Emphasises the grain; it soaks in and after several coats forms a satin gloss, water-repellent surface. Can be repaired locally – individual spots can be re-oiled. Free from fragrances and essential oils. Shade 002 Clear: tested to DIN EN 71-3 – the toy standard for elements such as lead and cadmium. Fully declared – including the substances that need not be named.														
Full declaration	Linseed oil, linseed stand oil natural resin ester, linseed-wood stand oil, titanium dioxide (only in shade 204 White), natural resin glycerol ester, linseed stand oil, isoaliphates, silicic acid, micronised wax, dehydrated amino sugar, drying agents (Ca, Mn, Zr).														
Colour	002 Clear · 204 White.														
Dilution	Ready to use for brushing. For spraying add 5–10 %, for dipping 10–20 % SVALOS Thinner No. 222 or No. 292.														
Application method	Remove any skin that may have formed, stir well, apply a test area. Coloured: brush, floor brush or short-pile roller only. Clear: also spraying, dipping, pad, single-disc machine or 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/m ²	approx. 22 m ² /l	2nd coat	approx. 11 ml/m ²	approx. 90 m ² /l	3rd coat	approx. 4 ml/m ²	approx. 250 m ² /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. 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.														
Storage	Cool and dry. Unopened shelf life at least 4 years. Transfer residues into smaller containers.														

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Substrate	The wood must be dry, sound, absorbent and free from resin and dust. Wood moisture: below 12 %. Sanding: furniture in stages up to 240 grit, oak up to 180 grit; floors up to 180 grit – with the roller sander up to 120 grit, then with suitable equipment up to 180 grit. Glues and adhesives must be fully cured.
Coating system	One to three coats depending on wear, absorbency and type of wood; floors at least three. 1. Apply generously with a brush or floor brush. After 10–15 minutes polish it in and remove the excess – with a grit-free oil absorbing pad and an orbital sander or with a lint-free cotton cloth. Hard woods such as walnut need longer, at most 25 minutes. 2. Spread in droplets – about one teaspoon per m² – and polish in immediately. 3. As the second coat.
Sanding between coats	For particularly smooth surfaces sand between coats after the first coat: on furniture with a pad or fleece from 280 grit. On floors it can be omitted if the excess was carefully removed after the first generous coat.
Coloured coats	Apply shade 204 White with a brush or roller only and do not polish it in. After about 15 minutes spread the excess along the grain onto areas that are still absorbent. The coloured coat needs one or two coats in shade 002 Clear as protection – as the second and third coat above. To keep the colour of pale woods such as maple or birch, apply the first coat in shade 204 White, then two clear coats. On tables and worktops re-treat with KUNOS Worktop Oil No. 243 instead.
OSB	Pre-sand with a sanding screen 120–180 grit – not with the roller sander, it removes too much of the load-bearing top layer. Then three coats, clear or coloured; determine the quantity with a test area.
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.

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Routine cleaning

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. Too high a dose can make the surface matt or rough.

At every fourth to fifth cleaning use GLANOS Natural Liquid Wax Cleaner No. 559 instead of the neutral cleaner.

For a more matt surface LATIS Natural Wax Soap No. 1876 is suitable. Before the next oil coat the surface must be back in the neutral pH range – test beforehand on a sample area.

Subsequent care

If the surface looks matt, re-treat it with KUNOS Natural Floor Sealer No. 241, KUNOS Floor Maintenance No. 1862 or KUNOS Care No. 1878.

A more even degree of gloss is achieved by re-treating with ALISA Hard Wax No. 302.

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 cast on spruce If coarsely sanded spruce dries without daylight, the surface can look greenish. Provide light during the drying time.

Grain The longer the oil acts, the more the grain comes out. Remove the wet oil completely from chamfers.

Water The finished coating repels splash water. Take up standing moisture quickly – under glasses, flower pots or at the sink. On wood that is not yet saturated, stains and discolouration are possible.

Veneers and plywood Apply all coats sparingly and remove the wet film after 5 minutes. Below 0.5 mm top layer the risk increases that the oil affects the glue line. Test all veneers on a sample area first.

Yellowing In shade 204 White, yellowing is possible where little light falls.

Final hardness In the first 4 weeks after the last coat the coating continues to cure inside. During this time avoid standing water, covering large areas and heavy mechanical stress; otherwise the surface can be used.

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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