

## Natural Oil Sealer KUNOS 244

<b>Technical qualities</b>	Transparent, high gloss, water resistant according to German Industrial Standard DIN 68 861, part 1, open-pored. Produces a protective surface film after applying 2-3 coats. KUNOS white preserves the natural wood tone on light timber. DIN 53 160 certified for color fastness when exposed to perspiration and saliva. Also DIN EN 71 part 3 certified as suitable for toys.
<b>Full declaration</b>	Depending on color in different proportions: Linseed oil, linseed oil - stand oil - natural resin ester, linseed oil - wood oil - stand oil, highly transparent iron oxide, titan dioxide, natural resin glycerol ester, linseed oil - stand oil, orange oil, Isoaliphates, silicic acid, micronized wax, pine oil, rosemary oil, drying agents free of lead.
<b>Colors</b>	002 clear 054 mahogany 062 walnut 064 dark walnut 069 tobacco 076 oak 082 rosewood 088 smoked oak 089 antique oak 101 black 204 white 425 elm 426 elm grey 427 elm dark grey 428 cherry honey 429 cherry intensive 431 white oak 465 cherry

### Colour Chart Kunos 244:

*Please note, the on screen colour representations are not necessarily precise representations of the actual paint colour, because of variance in monitor.*

clear (244-002)



mahogany (244-054)



walnut (244-062)



dark walnut (244-064)



tobacco (244-069)



oak (244-076)



rosewood (244-082)



smoked oak (244-088)



oak antik (244-089)



black (244-101)



white (244-204)



elm (244-425)



elm grey (244-426)



elm dark grey (244-427)



cherry honey (244-428)



cherry intense (244-429)



white oak (244-431)



cherry (244-465)



**Dilution**

SVALOS Dilutant No. 222

**Application method**

With a brush, spreading with an applicator made of solvent-resistant synthetic or rubber, spraying, dipping, cloth, or machine applications at temperatures above 12oC (54oF). Burnish in the third coat.

**Coverage**

For spraying: max. 5 to 10% dilution with SVALOS – Dilutant No. 222. First coat: 1 undiluted liter (1.06 fl. quart.) is sufficient for appr. 22 m<sup>2</sup> (237 ft<sup>2</sup>), i.e. 45ml/m<sup>2</sup>. Second coat: 1 undiluted liter (1.06 fl. quart.) is sufficient for

appr. 88 m<sup>2</sup>/l (968 ft<sup>2</sup>), i.e. 11ml/m<sup>2</sup>. Third coat: 1 undiluted liter (1.06 fl. quart.) is sufficient for appr. 295 m<sup>2</sup>/l (3.174 ft<sup>2</sup>), i.e. 4ml/m<sup>2</sup>. Coverage does depend on surface condition and absorbency. Pre-testing your project is recommended.

<b>Cleaning up</b>	Clean equipment immediately after use with LEVO Brush Cleaner No. 994.
<b>Drying Time</b>	At 23°C (73°F) and 50% relative humidity: First coat 12 hrs, subsequent coats 24 hrs, final degree of hardening is reached after 4 weeks.
<b>Specific gravity</b>	Approximately 0.89 g/ml
<b>Safety advice</b>	Always be sure to store cleaning cloth, polishing pads, sponges, etc. that are still wet or even slightly moist with KUNOS Natural Oil Sealer No. 244 in an airtight metal container or in water and dispose, as there is a danger of combustion caused by plant oil content in the product. However, the product alone will not undergo spontaneous combustion. S 2 Keep out of the reach of children. S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>Disposal</b>	According to locally regulated laws.
<b>Container Sizes</b>	0.25 l; 1 l; 2.5 l; 10 l; 30 l; 200 l.
<b>Storage</b>	Cool and dry. Please see label for expiration date. Transfer unused portion of product to a smaller container for storage.

#### **How to use KUNOS 244 - Natural Oil Sealer**

<b>Wood Surface</b>	Preparation Wood must be dry (moisture content below 12 %), solid, able to absorb, clean, free of resin and dust. Brush large-pored woods such as oak, ash, chestnut, elm, mahogany or teak carefully, to clean pore grooves. Sand furniture gradually up to 240 grain, for oak use 180 grain. Floors gradually up to 180 grain. Application Depending on surface requirements and absorbency: Apply 1 to 3 thin coats, until a coating layer has developed. For dipping, adjust with max. 10 – 20% SVALOS Dilutant No. 222. Remove excess oil 20 minutes after applying each coat with a lint-free cloth, otherwise an uneven shiny surface might develop. Sand after the first application if especially smooth and durable surfaces are desired. Sand floors between applications with a beige pad, for furniture use a pad with at least 280 grain. Polish 3rd application into the surface with a polishing machine. A better mechanically durable surface is achieved if KUNOS No. 244 is burnished into the surface by machine (beige pad).
<b>OSB</b>	For OSB-boards, follow instructions for wood surface preparation and application. Apply 3 coats sparingly. Some OSB-qualities may absorb a higher quantity of KUNOS No. 244 as quoted and it is difficult to remove excess oil because of the wood-chip structure. For coloration: 1 coat KALDET Transparent Wood Stain No. 270, available in 15 colors 2 coats KUNOS Natural Oil Sealer No. 244
<b>Renovation of old Furniture</b>	Pore-clogging coatings (oil-based paint, lacquers, coating varnishes), wax finishes also, must be sanded or stripped to completely remove old residue. Surface must be solid, absorbent, clean and free of dust. Porous old coatings must be cleaned; if necessary, sanded and the tested if the KUNOS Natural Oil Sealer No. 244 can be applied and absorbed. Adjust subsequent treatments according to surface conditions and treat like a first application.
<b>Care</b>	Maintenance should be done according to wear, as a rule 1 – 2 times annually. Rub or polish on a thin coat of KUNOS Natural Oil Sealer No. 244. Please, follow the tips and recommendations for adequate cleaning.
<b>Important tips</b>	Stir thoroughly before use. Remove possible skin formed on surface. Test coat recommended. Wood not completely saturated with KUNOS Natural

Oil Sealer No. 244, or oak wood exposed to water may develop stains or discolor. A more homogenised surface appearance is achieved when final coating is done with SOGO-Hard Wax No. 307, the wax can be applied hot or cold. On oak and other wood with incompatibilities such as tannic acid or dyes, or on wood that has been sanded, stripped, pre-treated, or stained, discoloration is possible and will show up within one week of application date. For glued crosscut wood or wood veneers, observe a treated test area for two days before completing application, as certain adhesives may dissolve. Adhesives and glues have to be completely dry before treating with KUNOS. Pre-sand dark color tones and soft wood with 150 grain paper to avoid light scratches. Sand in-between with a beige pad. Eastern European Fir may develop a green tinge after treatment with KUNOS, sanding with to low a grain (80-150 grain) may produce the same effect. KUNOS white is intended for first coat use, to preserve the natural wood tone, particularly on light colored woods such as maple, beech, spruce and pine. With reservation on alder, ash, oak, or mosaic parquet. Wipe away surplus KUNOS white thoroughly after 10-20 minutes to prevent pigment traces or white spots from forming. Fine sanding does reduce the quantity of KUNOS needed and does reduce tendency to soil and wear and tear.

LIVOS products contain organically sourced ingredients and are never tested on animals. 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. 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.