

LIVOS KUNOS NATURAL OIL SEALER INTERIOR

Range of application: For sealing interior solid timber, such as; furniture, window sills and floors and for OSB – boards. Limited use on veneer and Multiplex. Not suitable for plywood and other fine fibre glued wood derived material, or cabinet interiors.

Technical qualities: Transparent, high gloss, water resistant finish 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 colour fastness when exposed to perspiration and saliva. Also DIN EN 71 part 3 certified as suitable for toys.

Full declaration: Depending on colour 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.

Colours: 002 clear*, 069 tobacco, 089 antique oak, 054 mahogany, 076 oak, 204 white, 062 walnut, 082 rosewood, 064 dark walnut, 088 smoked oak. * Typically stocked by Colours by Nature; other colours available on order.

Dilution: SVALOS Dilutant No. 222 or BIO Thinner

Application method: Brush or spreading with an applicator made of solvent-resistant synthetic or rubber, spraying, dipping, cloth, lambs-wool applicator or machine applications at temperatures above 12°C (54°F). Burnish in the third coat.

Coverage: First coat: 1 undiluted litre is sufficient for approx. 22 m², i.e. 45ml/m². Second coat: 1 undiluted litre is sufficient for approx. 88 m², i.e. 11ml/m². Third coat: 1 undiluted litre is sufficient for approx. 295 m², i.e. 4ml/m². Coverage does depend on surface condition and absorbency. Pre-testing your project is recommended. For spraying, can be thinned to a max. 5 to 10% with either SVALOS dilution or BIO Thinner.

Cleaning: Clean equipment immediately after use with LEVO Brush Cleaner No. 994, or SVALOS Dilutant, or BIO Thinner.

Drying time: 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.

Specific gravity: Approximately 0.89 g/ml



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Safety advice: 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. Contains limonene. S 2 Keep out of the reach of children. S 62 If swallowed, do not induce vomiting: Seek medical advice immediately and show the container or label.

Disposal: According to local regulations.

Container sizes: 250ml*; 750ml*; 2.5l*; 10l; 30l; 200l. * Sizes stocked by Colours by Nature

Storage: Cool and dry. Please see label for expiration date. Transfer unused portion of product to a smaller container for storage.

HOW-TO Use on Wood Surfaces

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. If necessary, and for dipping applications; can be diluted with a maximum of 10-20% SVALOS Dilutant or BIO Thinner. *intended*

VARIATION OF USES:

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, especially if a smooth and durable surface is 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.

OSBF or 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.

Renovation of old non-porous surfaces coated with other products (i.e. oil-based paints, lacquers, coating varnishes, and wax finishes .etc) must be sanded or stripped completely to remove the old coating. Surface must be solid, absorbent, clean and free of dust. Old porous coatings must be cleaned; if necessary, sanded and the tested to determine if KUNOS



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Natural Oil Sealer No. 244 can be applied and absorbed. Adjust subsequent treatments according to surface conditions and treat like a first application.

For colouration: Can apply one coat of KALDET Transparent Wood Stain No. 270, available in 15 colours than at least 2 coats KUNOS Natural Oil Sealer No. 244.

KUNOS White is intended to be used for the first coat to preserve the natural wood tone, particularly on light coloured woods such as maple, beech, spruce and pine. However caution should be taken on others timbers like 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.

Care & 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 tips for care and maintenance.

Important tips: Stir thoroughly before use. Remove any skin that may have formed on the surface. A test coat is recommended. Wood not completely saturated with KUNOS Natural Oil Sealer No. 244, or oak wood exposed to water may develop stains or discolouration. 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, discolouration 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 colour tones and soft wood with 150 grain paper to avoid light scratches. Sand in between with a beige pad.

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.

August 2005 Rev. 2.4



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