


Technical Data Sheet

DUBNO Penetrating Priming Oil No. 162

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

Without orange oil

Application range	For interior, low-impact wooden surfaces, e.g. as a protection against dust for wooden ceilings. As a pre-treatment before finishing surfaces with LIVOS stains, waxes, and paints. Not to be used on cabinet interiors, floors, countertops, or furniture. As a primer for exterior tropical wood.
Technical qualities	Deep penetration. Reinforces the natural color of the wood grain. Complies with the German Industrial Norm DIN EN 71 part 3, as suitable for toys.
Full declaration	Walnut oil, isoaliphates and drying agents free of lead (Co, Zr).
Color	Yellowish.
Dilution	SVALOS Thinner No. 292.
Application method	By painting, dipping or spraying (nozzle size: 0.7 – 1.0 mm; spray pressure: 3 bar). After approximately 20 minutes remove excess oil. At higher temperatures, please consider shorter drying times and remove the excess oil sooner. Provide good ventilation after application. For spraying dilute with max. 5 – 10% of SVALOS Thinner No. 292. For dipping dilute with max. 10 - 20% of SVALOS Thinner No. 292.
Coverage	1 liter (1.06 quart) undiluted is sufficient for approximately 15 m ² (161 ft ²) per coat, i.e. 67ml/m ² . Could be considerably less depending on the condition and absorbency of the surface.
Cleaning	Clean equipment immediately after use with SVALOS Thinner No. 292.
Drying time	At 23 °C (73 °F) and 50% relative humidity 8 - 12 hours for the first coat; for subsequent coats approx. 24 hours.
Specific gravity	Approximately 0.84 g/ml.
Safety advice	<p>Ensure good ventilation during and after application. Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with DUBNO Penetrating Priming Oil No. 162 in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content. The liquid or applied product is not self-ignitable.</p> <p>H304 May be fatal if swallowed and enters airways. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P501 Dispose of waste according to applicable legislation. P405 Store locked up. EUH208 Contains Cobalt (2+)salts. May produce an allergic reaction. Hotline for allergy sufferers: +49 (0)5825 / 8871.</p>
 Danger	
Disposal	According to locally regulated laws.
Container sizes	0.25 l; 0.75 l; 2.5 l; 5 l; 10 l; 30 l; 200 l.
Storage	Cool and dry. Shelf life: unopened at least 4 years. Close lid tightly after use.

How to use

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Wood	Surface must be dry (moisture content below 15 %, not higher than 12 % for indigenous deciduous wood), solid, absorbent, clean, and free of dust.
Interior surfaces	Apply first coat generously and for very absorbent surfaces (e.g. crosscut wood) work “wet in wet” or apply at least two coats. Approximately 20-30 minutes after application, remove unabsorbed product with a dry brush or a lint-free cloth to assure an even gloss.
Exterior surfaces	According to the absorbency of the wood apply a more or less generous coat of DUBNO Penetrating Priming Oil No. 162, remove any excess oil from the surface after 20-30 minutes. Intermediate sanding. Treat wood that is prone to blue-staining fungi with ADAO External Primer No. 259. Subsequent coats with KALDET Transparent Wood Stain No. 270, KALDET All Weather Stain No. 281 or VINDO Natural Gloss Paint No. 629 (650).
Renovation coat	Pore-clogging coatings (oil-based paints, lacquers, multi-layered coatings) and wax coatings must be sanded or stripped until there is no old residue. Open-pored coatings must be cleaned and, if necessary, sanded. Test the surface’s absorbency by applying a test application. Follow the usual application instructions, but consider a possibly lower absorbency. In exterior areas, only completely weather-beaten wood must be primed.
Important tips	<p>DUBNO Priming Oil No. 162 does not contain protection against blue-staining fungi. Seams of new windows should be treated with a single, very thin coat of KALDET Transparent Wood Stain No. 270, after priming with DUBNO No. 162. Silicone sealant should be applied only after complete drying, but should not be painted over with DUBNO Penetrating Priming Oil No. 162 or with any other LIVOS product.</p> <p>For dipping or flooding, dilute with SVALOS Thinner No. 292 for optimal consistency. According to the type of wood, add 20-50% of SVALOS Thinner No. 292.</p> <p>With oak or other wood species containing tannic acid or dyes, or with sanded, stripped, or pre-treated wooden surfaces, it is strongly recommended to do a test application (discoloration is possible within one week). Not to be used on fruit tree wood.</p>

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 retailer, wholesaler, or manufacturer.

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