

## Technical Data Sheet

### KALDET Transparent Wood Stain No. 270

<b>Suitable for</b>	For interior and exterior solid wood, veneers, OSB and Multiplex boards, also for cabinet interiors, garden furniture. Not suitable for stair treads.																				
<b>Technical qualities</b>	Reinforces the natural color of the wood grain. Complies with German Industrial Norm (DIN) 53 160, fast to perspiration and saliva. Suitable for toys according to DIN EN 71, part 3. Does not contain protection against blue-staining fungi.																				
<b>Full declaration</b>	Linseed oil - stand oil - natural resin ester, linseed oil, mineral pigments, linseed oil - stand oil, linseed oil – wood oil - stand oil, micronized wax, orange oil, isoaliphates, alumina and drying agents free of lead (Co, Mn, Zr). 002 clear, 012 spruce, 022 boxwood, 032 pine, 052 brazil, 076 oak, 113 green, 122 ultramarine blue, 124 country blue, 202 white, these colors do not contain orange oil.																				
<b>Colors</b>	<table border="0" style="width: 100%;"> <tr> <td colspan="4"><b>Interior and Exterior:</b></td> <td><b>Interior only:</b></td> </tr> <tr> <td>022 boxwood</td> <td>062 walnut</td> <td>113 green</td> <td>124 country blue</td> <td>002 clear</td> </tr> <tr> <td>032 pine</td> <td>076 oak</td> <td>042 dark teak</td> <td>122 ultramarine blue</td> <td>202 white</td> </tr> <tr> <td>012 spruce</td> <td>082 rosewood</td> <td>052 brazil</td> <td>102 ebony</td> <td>212 light grey</td> </tr> </table> <p>All colors are inter-mixable. Clear complies with the criteria of LIVOS Neutral products for the allergy-prone and chemically sensitive.</p>	<b>Interior and Exterior:</b>				<b>Interior only:</b>	022 boxwood	062 walnut	113 green	124 country blue	002 clear	032 pine	076 oak	042 dark teak	122 ultramarine blue	202 white	012 spruce	082 rosewood	052 brazil	102 ebony	212 light grey
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<b>Dilution</b>	With SVALOS Thinner No. 222																				
<b>Application method</b>	By brushing (undiluted), spraying (5 to 10% dilution) or dipping (up to 20% dilution) at temperatures above 12 °C and in dry weather conditions. At higher temperatures, please consider shorter drying times and re-brush sooner (see reverse side for further information).																				
<b>Coverage</b>	1 undiluted litre covers approximately 15 to 30 m <sup>2</sup> i.e. 44ml/m <sup>2</sup> . Could be considerably less, depending on the surface condition and the absorbency of the wood. Test coat recommended!																				
<b>Drying time</b>	At 23 °C and 50 % relative humidity 12 –24 hours. Subsequent coats can be applied after approximately 24 hours. Provide sufficient light and ventilation during drying times.																				
<b>Cleaning</b>	Clean equipment immediately after use with SVALOS Thinner No. 222.																				
<b>Specific gravity</b>	Approximately 0.90 g/ml, depending on the color.																				
<b>Safety advice</b>	<p>Provide enough ventilation after application.</p> <p>Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with KUNOS Transparent Wood Stain No. 270 in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content.</p> <p>The products itself will not combust spontaneously.</p> <p>Contains limonene, wood oil, and Cobalt (2+) salts. Can cause allergic reactions.</p> <p>S 2    Keep out of the reach of children</p> <p>S 62    If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label</p>																				
<b>Disposal</b>	According to locally regulated laws.																				
<b>Container sizes</b>	0.05lt; 0.375 lt; 0.75 lt; 2.5 lt; 10 lt.																				

<b>Storage</b>	Cool and dry. Close product tightly after use.
<b>Wood</b>	<b>Preparation:</b> Surface must be dry (wood moisture content below 15%), solid, finely sanded (180 grain), absorbent, clean and free of resin and dust. The moisture content of coniferous wood and tropical deciduous wood should be less than 15%; for European deciduous wood the moisture content should not exceed 12%.
<b>Interior wood:</b>	Prime with DUBNO Penetrating Priming Oil No. 261, remove any excess oil after 20 minutes. After drying do an intermediate sanding. After that, and, depending on the area of application and the degree of protection needed, 1 to 3 applications are required. Re-brush the surface 5 to 15 minutes after each application. Please, pay attention to the drying times!
<b>Interior OSB</b>	Follow the preparation instructions for “wood”. For decoration and design: 1 application with KALDET Transparent Wood Stain No. 270 and 3 applications with KUNOS Natural Oil Sealer No. 244.
<b>Cabinet interiors Multiplex, veneer, glued wood (interior)</b>	Follow the preparation instructions for “wood”. Then, depending on use of the surface 1 – 2 sparing coats with KALDET Transparent Wood Stain No. 270, without priming with DUBNO Penetrating Priming Oil No. 261.
<b>Renovation of open-pored surfaces (exterior)</b>	On rough sawn surfaces, dust and dirt particles from the air can adhere easily and allow fungi to grow under specific environmental conditions. The grey to black discoloration can be removed with GLOUROS Natural Siding and Masonry Cleaner No. 1806, using a brush or high-pressure cleaner. Old paint coatings must be cleaned and sanded. Subsequent treatment has to be done like the first coating. With a timely renovation only an intermediate and/or final coat with KALDET All Weather Stain No. 281 is necessary, otherwise complete new rebuild. Depending on the weather conditions, the type of wood, and the color chosen, different time intervals for after-treatment results. Sections like weather beads should be re-stained regularly.
<b>closed-pored old coatings</b>	Pore-clogging coatings (oil-based paints, thick-layered coatings, wax coats) must be sanded or stripped until there is no old residue. Follow the instructions for “wood” and consider the possible reduced absorbency.
<b>Important tips</b>	Always do a test application first. Stir thoroughly before use. When purchasing several containers of the colored wood stain, pay attention to the same batch number. Remove possible skin formed on surface. Provide enough ventilation during application and drying times. <b>Seams of new windows</b> should be treated with a single, very thin coat of KALDET No. 270 after priming. Silicone sealant should be applied only after complete drying, and should not be painted over with KALDET No. 270. Linseed oil based putty can be painted over after one day. The use of wax over a colored stain can cause the color to lighten slightly. The <b>colors white and light grey</b> tend to yellow in low light conditions (yellowing due to the linseed oil). The colors white and light grey must not be painted over with KALDET Transparent Wood Stain “clear” or any other LIVOS oil, as the surface may yellow. Some mixed colors with ultramarine blue and country blue tend to “wash-out” the pigments, which can be eliminated by constant stirring. 10 minutes after application, i.e. re-brush after briefly drying. Colors green (No. 113), ultramarine blue (No. 122) and country blue (No. 124) are getting brownish by reworking with colorless oil. Use color light (203) as a primer only.

**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.**

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