


## Technical Data Sheet

### KALDET Transparent Wood Stain No. 270

Application range	For interior solid wood. Suitable for veneers, OSB and Multiplex. For exterior solid wood. Not suitable for balcony floors or other high-traffic areas.
Technical qualities	Reinforces the natural color of the wood grain. After the 3rd coat sufficiently pigmented products are also weather resistant. Complies with German Industrial Norm (DIN) 53 160, fast to perspiration and saliva. DIN EN 71 part 3 certified, suitable for toys. Does not contain protection against blue-staining fungi. KALDET Transparent Wood Stain No. 270 002 clear does not contain orange oil and is therefore also suitable for those who are sensitive to terpenes.
Full declaration	Linseed oil - stand oil - natural resin ester, linseed oil, earth- and mineral pigments, linseed oil - stand oil, linseed oil wood oil - stand oil, micronized wax, orange oil, isoaliphates, alumina and drying agents free of lead.
Colors	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Clear (270-002)</p> <p>Spruce (270-012)</p> <p>Boxwood (270-022)</p> <p>Pine (270-032)</p> <p>Dark teak (270-042)</p> <p>Brazil (270-052)</p> <p>Walnut (270-062)</p> <p>Oak (270-076)</p> <p>Rosewood (270-082)</p> <p>Ebony (270-102)</p> <p>Green (270-113)</p> <p>Ultramarine blue (270-122)</p> <p>Country blue (270-124)</p> <p>White (270-202)</p> <p>Light grey (270-212)</p> </div> <div style="flex: 1; border: 1px dashed black; padding: 5px; margin-left: 10px;"> <p> Color deviations might occur due to the version and resolution of your computer.</p> </div> </div>
Colors	<p>Interior and Exterior:</p> <p>022 boxwood</p> <p>032 pine</p> <p>042 dark teak</p> <p>052 brazil</p> <p>062 walnut</p> <p>076 oak</p> <p>082 rosewood</p> <p>102 ebony</p> <p>113 green</p> <p>122 ultramarine blue</p> <p>124 country blue</p>

212 light grey

Interior only:

002 clear

012 spruce

202 white

All colors are inter-mixable. For exterior surfaces, mix only colors that are designated for exterior use.

KALDET Transparent Wood Stain No. 002 clear complies with the criteria of LIVOS Neutral products for the allergy-prone and chemically sensitive.

Dilution

SVALOS Thinner No. 222

Application method By brushing (undiluted), spraying (5 to 10% dilution) or dipping (up to 20% dilution) at temperatures above 12 °C (54 oF) and in dry weather conditions. At higher temperatures, please consider shorter drying times and apply subsequent coats sooner (see reverse side for further information).

Coverage

1 undiluted liter (1.06 quart) covers approximately 15 to 30 m<sup>2</sup> (161 to 323 ft<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!

Cleaning

Clean equipment immediately after use with SVALOS Thinner No. 222, or LEVO Brush Cleaner No. 997.

Drying time

At 23°C (73°F) and 50 % relative humidity 12 – 24 hours. Subsequent coats can be applied after approximately 24 hours. Avoid drying delays by providing sufficient light and ventilation during drying times.

Specific gravity

Approximately 0.90 g/ml, depending on the color.

Safety advice

Provide enough ventilation 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 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.

The products itself will not combust spontaneously.

Contains limonene, wood oil, and Cobalt (2+) salts. Can cause allergic reactions.

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

Disposal

According to locally regulated laws.

Container sizes

0.375 l; 0.75 l; 2.5 l; 10 l; 30 l; 210 l (7 x 30 l).

Storage

Cool and dry. Please see label for expiry date. Close product tightly after use.

## Important tips

# KALDET Transparent Wood Stain No. 270

- Wood** **Preparation:** Surface must be dry (wood moisture content below 15%), solid, finely sanded (180 grain), absorbent, clean and free of resin and dust. For windows and other dimensionally stable wood, 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%. Pre-treat resin-rich wood by brushing with SVALOS Thinner No. 222, and exotic wood with KIROS Thinner No. 710, then rub dry.
- Interior wood** Prime with DUBNO Penetrating Priming Oil No. 261, remove any excess oil after 20 minutes. Sand as soon as drying time is over. After that, and, depending on the area covered and the degree of protection needed, 1 to 3 applications are required. It is recommended to re-brush the surface 5 to 15 minutes after each application.  
Please, pay attention to the drying times!
- Exterior wood** Prime with ADAO External Primer No. 259, the amount needed depends on the absorbency of the wood. Oak and other wood rich in tanning agents must be primed with LINUS Penetrating Oak Priming Oil No. 233. Remove surplus oil after 20 minutes. Sand in-between. Apply three thin coats of KALDET Transparent Wood Stain No. 270 within four weeks.  
Please, pay attention to the drying times!
- OSB** Follow the preparation instructions for wood .  
For interior decoration and design: 1 coat KALDET Transparent Wood Stain No. 270 and 3 coats KUNOS Natural Oil Sealer No. 244.
- Multiplex, veneer, glued wood (interior)** Surface must be dry, solid, absorbent, clean and free of dust. Sand surface with 180-grain paper. Depending on surface requirements, apply 2 - 3 thin coats of KALDET Transparent Wood Stain No. 270.
- Renovation of open-pored surfaces** Rough sawn surfaces can retain dust and dirt particles from the environment, making it possible for fungi to grow under the right climate conditions. Grey to black discoloration can be removed with GLOUROS Natural Siding and Masonry Cleaner No. 1806, using with a brush or a high-pressure cleaner. Old paint coatings must be cleaned and sanded. Subsequent treatment has to be done like the first coating. Timely re-staining requires only an intermediary and/or final coat, while overdue re-staining requires a complete new start. Strongly weathered surfaces require at least 2 - 3 coatings. Depending on the weather conditions, the type of wood, and the color chosen, maximum re-staining time will vary. Wood that comes in contact with water should be re-stained regularly.
- Renovation of closed-pored surfaces** Pore-clogging coatings (oil-based paints, thick-layered coatings, wax coats) must be sanded or stripped until there is no old residue. Surface must be dry, solid, absorbent, neutral, clean and free of dust. Follow the instructions for initial treatment and then carefully observe the potential absorbency problems during drying times.
- Important tips** **Always do a test application first. Stir thoroughly before use.**  
The colors 022 boxwood, 032 pine, and 052 brazil require at least three coatings to develop a layer formation.  
When purchasing more than one container of paint, be sure that all containers have the same batch number. Remove possible skin formed on surface. Provide enough ventilation during application and drying times. With oak or other wood species containing tannic acid or dyes, or with sanded, stripped, or pre-treated wooden surfaces, discoloration is possible within one week. KALDET Transparent Wood Stain No. 270 does not contain fungicides. Rough sawn wood is prone to blue-staining fungi; therefore rough surfaces must be sanded. Wood that is prone to blue-staining fungi and back aired paneling must be treated with ADAO External Primer No. 259.  
**Seams of new windows** should be treated with a single, very thin coat of KALDET No. 270.

Silicone sealant should be applied only after complete drying, but 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 colors white and light grey** 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.

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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[Back](#)