

KALDET Transparent Wood Stain

No. 270



Application range	Interior: thin-layer stain for wood surfaces not subject to mechanical stress – panelling, ceilings, veneers, multiplex boards and cabinet interiors. Exterior: garden furniture and wood outdoors, except the shades 012 Spruce, 202 White and 203 Light. Not suitable for: walking surfaces.
Technical qualities	Impregnates the wood fibres and cures within them – water-repellent from the inside out. Minimal film formation – the wood still feels like wood, not like lacquer. No plastic binders – bound with linseed oil and natural resin ester. Free from nanoparticles and organic synthetic pigments. Fully declared – including the substances that need not be named. Colours 056, 116, 126, 134, 413–418: tested to DIN EN 71-3 – the toy standard for elements such as lead and cadmium if children swallow particles of the coating.
Full declaration	Depending on colour: linseed-oil stand-oil natural resin ester, linseed oil, mineral pigments, titanium dioxide (only in 202, 212, 124), chalk, linseed stand oil, linseed-wood-oil stand oil, silicic acid, micronised wax, isoaliphates, drying agents (Mn, Zr, Ca).
Colours	012 Spruce · 022 Boxwood · 032 Pine · 042 Dark teak · 052 Brazil · 056 Sea buckthorn · 062 Walnut · 076 Oak · 082 Rosewood · 102 Ebony · 113 Green · 116 Lime · 122 Ultramarine blue · 124 Country blue · 126 Corn flowers · 134 Lilac · 202 White · 203 Light · 212 Light grey · 273 Dark honey · 413 Citron · 414 Tangerine · 415 Orange · 416 Blood orange · 417 Kiwi · 418 Avocado. Intermixable; colour 002 Clear: separate data sheet.
Dilution	With SVALOS Thinner No. 222 or No. 292 (without orange oil).
Application method	Remove any skin that may have formed, stir well, apply a test area. Brushing: undiluted. Spraying: diluted 5–10 %. Dipping: diluted up to 20 %. Apply at temperatures above 12 °C. Further information on page 2.
Coverage	44 ml/m² per coat, i.e. 1 l is sufficient for 15–30 m², on average approx. 23 m².
Cleaning	Clean tools immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.
Drying time	At 23 °C and 50 % relative humidity 12–24 hours; recoatable after about 24 hours. Warmth, light and good ventilation shorten the drying time.
Specific gravity	approx. 0.90 g/ml, varying with the colour.
Notes	Risk of spontaneous combustion from oil-soaked materials Cleaning cloths, polishing pads, sponges and sanding dust soaked with oil heat up as they dry; crumpled together, the heat builds up and can cause a fire. Therefore do not leave them unattended after use: immerse them in water and dispose of them wet, lay them out singly to dry through, or collect them in a closed metal container – soak the contents before emptying it. The product itself is not self-igniting – neither liquid nor applied. Ensure good ventilation during and after application.
Safety advice	The product is not classified as hazardous under the CLP Regulation. Keep out of the reach of children and never decant into food containers. If swallowed, do not induce vomiting but seek medical advice.
Disposal	According to local regulations.
Container sizes	0.125 l; 0.375 l; 0.75 l; 2.5 l; 10 l; 30 l.
Storage	Cool and dry. Unopened shelf life at least 4 years. Transfer residues.

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Substrate	Wood must be dry, sound, absorbent, clean and free from resin and dust. Wood moisture: coniferous and tropical hardwoods at most 15 %, native hardwoods at most 12 %. Pre-sand finely up to 180 grit.
Priming	Interior: prime with DUBNO Priming Oil No. 261. Exterior: wood susceptible to blue stain such as spruce, pine and larch with ADAO External Primer No. 259, oak with LINUS Oak Priming Oil No. 233, tropical woods with DUBNO Priming Oil No. 261. Cabinet interiors: do not prime. Without priming the shade becomes stronger – at a slightly higher consumption, above all for the first coat. Part of the oils penetrates deeper, so the pigments are less protected. Indoors an after-treatment compensates for this; outdoors the primer is part of the weather protection.
Coating system	Depending on the application and the protection required 1–3 coats. 1. Apply generously, re-brush after 5–15 minutes and remove the excess oil after 20 minutes at the latest with a lint-free cotton cloth. 2. Apply very sparingly. 3. As the second coat.
After-treatment	Interior: DRYADEN Protective Emulsion No. 571 increases durability without changing the shade. Recommended for higher wear and whenever the surface was left unprimed.
Multiplex, veneer and glued laminated timber	Depending on the stress 1–2 sparing coats; do not prime.
Exterior use	All shades except 012 Spruce, 202 White and 203 Light are suitable for exterior use. The UV resistance is lower than that of KALDET All-weather Stain No. 281. On heavily weathered surfaces KALDET All-weather Stain No. 281 or ALIS Decking Oil No. 579 are the better choice – the decking oil also works without a primer.
Cleaning and care	TRENA pH-neutral Cleaner No. 556 is suitable for routine cleaning. Use the concentrate diluted only: add at most 10 ml (1 tablespoon) to 10 l of water, then wipe damp, not wet. If the surface looks matt, apply one sparing coat of KALDET Transparent Wood Stain No. 270. Existing damage may then stand out more clearly.

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Notes

Skin formation A skin may form on the surface of an opened container – the oil cross-links with atmospheric oxygen. Remove the skin, the rest remains fully usable. The less air above the residue, the less often it occurs – therefore transfer residues into smaller vessels.

Batches When buying several containers of one coloured shade, check that they carry the same batch number – the five-digit figure on the label.

Windows and silicone On new windows, brush the rebates only once and very sparingly after priming. Apply **silicone** only after complete through-drying and do not overcoat it; linseed oil putty can be overcoated after one day.

Overcoating Do not overcoat coloured coats with KALDET Transparent Wood Stain No. 270-002 or other LIVOS oils – the shade may darken or change. Use the same shade to refresh it, indoors DRYADEN Protective Emulsion No. 571 to protect it.

Colours 202 White and 212 Light grey In poor daylight the linseed oil may darken the shade.

Blue and green shades 113 Green, 122 Ultramarine blue and 124 Country blue turn more brownish when overcoated with a clear oil. Mixed colours containing 122 and 124 tend to bleed pigment – stir constantly and re-brush about 10 minutes after application.

Colour 203 Light Use only as a priming coat, to avoid deepening the wood tone too strongly.

Wax coat A wax coat on a coloured stained surface lightens the shade slightly.

Beading If the stain beads off or bubbles form, the substrate has been pre-treated incompatibly or sanded too smooth. Coarser sanding can help.

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 LIVOS customer service (see p. 1).

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