

# Technical Data Sheet

## KALDET All Weather Stain No. 281

**Application range** For all exterior solid timber. In interior areas only for windows. Not suitable for balcony floors or other walking areas.

**Technical qualities** Reinforces and deepens the natural color of the wood grain. Water-repellent, weather resistant, and permeable to water vapor after applying three coats. Complies with German Industrial Norm DIN 53 160, fast to perspiration and saliva. DIN EN 71 part 3 certified as suitable for toys. The product does not contain protection against blue-staining fungi.

**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, wood oil, zinc carbonate, micronized wax, isoaliphates, silicic acid and drying agents free of lead.

### Colors



Boxwood (281-022)

Pine (281-032)

Dark teak (281-042)

Brazil (281-052)

Mahogany (281-054)

Walnut (281-062)

Oak (281-076)

Rosewood (281-082)


Ebony (281-102)

Green (281-113)

Ultramarine blue (281-122)

Country blue (281-124)

Light grey (281-212)

 Color deviations might occur due to the version and resolution of your computer.

### Colors

022 boxwood

032 pine

042 dark teak

052 brazil

054 mahogany

062 walnut

076 oak

082 rosewood

102 ebony

113 green

122 ultramarine blue

124 country blue

212 light grey

	All colors are intermixable.
Dilution	SVALOS Thinner No. 222.
Application method	By brushing (undiluted), spraying or dipping (up to 20 % dilution) at temperatures above 12OC (54OF) and dry weather conditions. At higher temperatures, please consider shorter drying times and apply subsequent coats sooner (see reverse side for further information). The colors 022 boxwood, 032 pine, and 052 brazil require at least three coatings to develop a layer formation.
Coverage	1 liter (1.06 quart) undiluted covers approximately 15 to 30 m <sup>2</sup> (161 to 323 ft <sup>2</sup> ), i.e. 44ml/m <sup>2</sup> . Coverage could be considerably less, depending on the condition and the absorbency of the surface. Always do a test application!
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 to 24 hours. Subsequent coats may be applied after 24 hours. Avoid drying delays by providing sufficient light and ventilation during drying times. At higher temperatures, please consider shorter drying times.
Specific gravity	Approximately 0.90 g/ml, depending on the color.
Safety advice	Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with KALDET All Weather Stain No. 281 in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content.  The product itself will not combust spontaneously. Contains Cobalt (2+) salts. Can cause allergic reactions. Xi Irritant R 43 May cause sensitisation by skin contact. S 2 Keep out of the reach of children. S 24 Avoid contact with skin. S 37 Wear suitable gloves. 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 lid tightly after use.

## Important tips

# KALDET All Weather Stain No. 281

- Preparation** Surface must be dry (wood moisture content below 15%), solid, finely sanded (180 grain sandpaper), absorbent, clean and free of resin and dust. For windows and other dimensionally stable wood, the moisture content for coniferous wood and tropical deciduous wood should be below 15% and not exceed 12% in indigenous deciduous wood. Prime with ADAO External Primer No. 259; the amount needed depends on the absorbency of the wood. Oak should be primed with LINUS Penetrating Oak Priming Oil No. 233. Remove surplus oil after 20 minutes. Sand in-between.
- Application** Apply three coats of KALDET All Weather Stain No. 281 within four weeks. The second coat must be applied developing a layer formation. Please note that any product running on the surface indicates that the coat is too thick, the excess product must be removed or spread immediately. After 10 – 30 minutes the coat has to be smoothed out with a brush in the direction of the wood grain.
- Renovation of open-pored surfaces** 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. 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. Follow the instructions for initial treatment and then carefully observe the potential absorbency problems during drying times.
- Care** Clean with GLOUROS Natural Siding and Masonry Cleaner No. 1806 in water and after-treatment with KALDET After Care No. 276. Possible fungi growth should be removed. Their appearance depends on the surface roughness, sun and weather side, moisture content, and natural cover etc.
- Important Tips** Stir thoroughly before use. Always do a test application. 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.
- Seams of new windows** should be treated with a single, very thin coat of KALDET All Weather Stain No. 281. Silicone sealant should be applied only after complete drying, but should not be painted over with KALDET. Linseed oil based putty can be painted over after one day.
- Certain mixed colors, e.g. blue and white, tend to separate pigments and should therefore be stirred constantly.

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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