
Stand Oil Paint

- Resin-free -
(Standölfarbe)



Product Information
Art.No. D 1100 - 1112
Art.No. D 1600 - 1612

For covering white or coloured window- and wood coatings

• GENERAL

The Acrylic- and Alcyde resin paints are „state of the art“ for coating wood in the exterior. They are easy to use and dry quickly. But very often they lead to an early and substantial damaging of the wood. Due to their large content of synthetic resin they are nearly diffusion-tight (though the opposite is promised) and embrittle relatively soon. Humidity permeates through cracks into the wood and can not vapourise quickly enough through the still intact and diffusion-tight areas. The results: blisters in the coating, rotten wood, early and costly renovations.

Well-trying recipes are used in the preservation of historical buildings: classical oil paints.

The reasons are good:

The molecule size of linseed oil (50 times smaller than synthetic resin) ensures good permeation into the wood.

Because of the **good diffusion capabilities of oil paints** the transport of humidity from inside the wood to the environment is ensured. The wood is protected from decay and wetness. And a coating made from natural oils does not flake, chip or tear, stays elastic and weathers superficially by and by, while the coating beneath stays intact. This makes renovations easy: just cleaning and overcoating. Additionally the application of „**active pigments**“ like zinc white significantly improves the durability of oil coatings.

The disadvantages for the operator in the preservation of historical buildings were the laborious mixing of paints on site, the time consuming re-mixing of hues and the exact documentation of the mixing process together with a limited reproducibility.

Kreidezeit Stand Oil Paints offer a clearly laid out and easily manageable system of ready-to-use paints that meets the requirements of the layer sequence for oil paints: „from thin to rich“.

1. Preventative wood protection with Kreidezeit **Boron salt** (solidifies and protects from fungal decay and pest)
2. Ground coating with **Base Oil** (good permeation due to small molecule size)
3. **Stand Oil Paint – intermediate coating**, half-rich coating, highly covering
4. **Stand Oil Paint – top coating**, rich coating for good weather resistance

Kreidezeit Stand Oil Paints are **free of resin** and thus not limited in the diffusion capability. The contained zinc white as an „active pigment“ enhances the weather resistance of the coating due to the development of zinc soaps. Sour decomposition products released by the weathering of the natural oils are intercepted by the zinc white, which reduces the water absorption and therewith the expansion of the coating. And the radiant structure of the zinc soaps add to the mechanical support of the oil paint.

The pigmentation of the paint is done exclusively with **traditional earth pigments** (Ochre, English Red, Terra di Siena, different Umbers) and mineral pigments (Iron Oxides, Spinel pigments, Titanium White). All pigments are absolutely lightfast and weatherproof.

Kreidezeit Stand Oil Paints are ready to use and available in 12 different primary colours.

We manufacture other hues according to your wishes from absolutely lightfast and weatherproof pigments upon request.

Colourless oil coatings of wooden surfaces in the exterior are not durable. If the coating is not protected from ultraviolet radiation by pigments, the coating is destroyed at an early stage, usually within a few months.

Lazuring coatings always require a higher amount of maintenance (regeneration coatings).

Covering oil coatings are durable.

When choosing the colour for covering coatings in the exterior on woods having an exact size (windows and doors) it is wise to prefer lighter hues instead of darker ones. Dark hues are heated up stronger by solar radiation, this can lead to damages in the coating, especially at the rabbets.

Coatings on windows at the interior must be more diffusion-tight than those at the exterior (gradient of vapour pressure). This can be achieved easily by applying one intermediate coating more than at the exterior.

The durability of an oil coating at the exterior depends on the observance of **constructive wood protection**.

We are pleased to provide specialist counselling via telephone.



- **APPLICATION**

Treatment of wooden surfaces and window frames in the interior and especially in the exterior.

Surfaces pre-treated with synthetic bound resp. water dilutable acrylic bound primers and coatings are not overcoatable with Stand Oil Paints.

Minimum temperature for application: 10°C.

Wood humidity: The humidity measured at the exterior in a depth of at least 5mm must not exceed 15% for softwood and 12% for indigenous hardwood.

- **PROPERTIES**

- Covering and glossy
- Resin-free and elastic
- Weatherproof and UV-resistant
- Absolutely lightfast pigmentation
- „High solid“: content of solvents less than 15%
- Open to diffusion
- Easy to use
- Low amount of maintenance
- Resistant to saliva and perspiration acc. to DIN 53160
- Content of solids: at least 85%

- **INGREDIENTS**

Linseed oil, linseed stand oil, tung stand oil, balsamic turpentine, zinc white, talc, clay, silicic acid, quartz, lead-free drying agents (octoates of cobalt, zirconium, calcium, manganese).

Pigments according to colour:

Titanium White, Iron Oxides (yellow / red / brown / black) Chrome Green, Spinel blue, Nickel Titanium Yellow / Orange, Ochre red

- **SUITABLE TOOLS**

Apply thin and evenly using a brush or a roller.

- **PREPARATIONS**

Please make sure that the wood is untreated resp. remove any old resin coatings based on Alcyde or Acryl or of unknown composition by sanding or leaching to do a professional and durable oil coating.

Remove resin galls by burning out (resin weeping and resin galls are natural occurrences and can not be overcoated).

Sand and dedust wooden surfaces thoroughly.

- **SEQUENCE OF COATINGS**

1. **CONSTRUCTIVE WOOD PROTECTION:**

The wood can be pre-treated with Kreidezeit **Boron salt** (Art.No. 210 - 214) which protects from fungal decay and pest.

2. **PRIMING**

Use resin-free Kreidezeit Base Oil (Art.No. 300 - 304) as primer for use in the interior and exterior. Sand lightly and dedust after drying.

INTERIOR/EXTERIOR APPLICATION

Stir paint thoroughly. Remove any oxidation skin which might be caused by storage from paint. Do not mix into paint.

3. **Half rich:** Stand Oil Paint – Intermediate Coat (Art.No. D 1100 – 1112) apply thin and evenly. Sand lightly and dedust after drying.
4. **Rich:** Stand Oil Paint – Top Coat (Art.No. D 1600 – 1612) apply thin and evenly.

WINDOWS:

3. **Exterior:** paint **one time half rich** with Stand Oil Paint – Intermediate Coat (Art.Nr. D 1000 – 1007)
4. **Interior:** paint **two times half rich** with Stand Oil Paint – Intermediate Coat (Art.Nr. D 1000 – 1007)
5. **Interior and exterior:** **rich overcoat** with Stand Oil Paint – Top Coat (Art.No. D 1500 – 1507)

Apply coatings only when prior coat has dried thoroughly.

- **MAINTENANCE**

A renovating coat has to be performed at the latest when the Stand Oil Paint gets dull. The surfaces are cleaned with soap sud (Marseille Soap, Art.No. 220) and sanded if necessary.

Renovating coats are done with Stand Oil Paint – Top Coat (Art.No. D 1600 – 1612).

Windows:

The coatings should be cleaned at least once a year with a soft sponge and water (with a little bit of Marseille Soap, Art.No. 220).

Then apply Wood Lazure Exterior (Art.No. 320) with a soft cloth to refresh the shine.

A Stand Oil Paint coating can last indefinitely if maintenance is carried out regularly.

- **TINTING**

Stand Oil Colour Paints can be blended to any degree with any other Stand Oil Paint. That makes it easy to create different hues.



- **PACKAGE SIZES**

Kreidezeit Stand Oil Paint is available in white and in 12 different primary colours, each as Intermediate Coat (half rich) and Top Coat (rich).

Package size (each)	0,375 l
	0.75 l
	2.5 l

Please refer to the valid pricelist for product prizes.

- **COLOURS CORRESPONDING TO NCS/RAL:**

White	S 0502 Y	/ RAL 9010
Yellow	S 1050 Y 10 R	/
Orange	S 2070 Y 20 R	/
Ochre	S 3050 Y 20 R	/
English Red	S 4050 Y 80 R	/
Blood Red	S 5040 Y 90 R	/ RAL 3009
Grey Blue	S 4020 R 90 B	/ RAL 5014
Dark Blue	S 7020 R 90 B	/
Green	S 5040 G 20 Y	/ RAL 6001
Dark Green	S 8010 G 30 Y	/ RAL 6009
Brown	S 7510 Y 50 R	/
Dark Brown	S 8505 Y 80 R	/
Black	S 9000 N	/ RAL 9011

The colour matching was carried out using a DIN-certified light cabin. Each colour number represents the best approximation to the corresponding colour of the mentioned colour system.

Small differences in hue are normal due to usage and blending of earth- and mineral pigments and due to differences of surfaces regarding structure and absorbency.

We manufacture other hues according to your sample (e.g. RAL or NCS) from absolutely light-fast and weatherproof pigments upon request.

Please call our laboratory.

- **DRYING TIMES**

Approx. 24 – 48hrs at 20°C and 65% relative humidity.

High humidity, low temperatures and surfaces containing tannic acid increase drying times.

- **YIELD**

According to absorbency of surface:

15 - 20 m² / litre per coating.

- **CLEANING OF TOOLS**

Immediately after use with Balsamic Turpentine (Art.No. 447) or with warm soap sud (Marseille Soap, Art.No. 220).

- **STORAGE**

If stored cool, dry, airtight and above zero degrees centigrade, the Stand Oil Paint can be kept for at least 2 years.

It is wise to make trial coatings before using Stand Oil Paint stored longer than 2 years, because its drying capability decreases slowly.

If drying times are significantly longer they can be increased again by adding 15ml Sikkativ (Art.No. 435 - 436) on 1 litre of Stand Oil Paint.

Do not exceed the mentioned amount of Sikkativ! Remove any oxidation skin which might be caused by storage from paint. Do not mix into paint.

- **DISPOSAL OF RESIDUES**

Do not dispose of residues into the sewage system. Keep product remainders sealed airtight and use up later.

Adhere to legal regulations for disposal of resin- and paint remainders.

- **SAFETY ADVICE**

Minor harmful, Xn
Flammable, VbF A II

- **NOTE**

Cloths containing drying oil can self-ignite!

Let drenched cloths dry outside or keep them in a closed, fire-proof container (glass or tin can). Ensure proper ventilation during application and keep away from any ignition source.

Keep out of reach of children.

Consider possible allergies to natural substances. Discolouring may occur in areas with low natural light. With drying of natural oil products a typical smell may be present, however, this will disappear after a few days.

Attention: The described procedure relates to **untreated wood!!!** Most of the new windows available are treated according to VOB (Vergabe- und Vertragsordnung für Bauleistungen – German Construction Contract Procedures) with water dilutable wood conservation coatings and intermediate coatings. These pre-treatments (often acryl-bound) might possibly lead to not very durable coatings when overcoated with natural oil paints.

The above information has been compiled in accordance with the best of our experience and knowledge. Owing to the application methods and environmental influences, as well as the various surface properties, no liabilities or legalities pertaining to the individual recommendations can be entertained. Prior to application, the suitability of the product is to be tested (trial coat). The validity of the text ceases with revisions or product modifications.

You will find the latest product information at
>> www.kreidezeit.de << or directly at Kreidezeit.

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