

Iron Acetate Stain, for interior, black

Product information Art. 4105, 12.08.2026



Stefan Benner

■ General

KREIDEZEIT Iron Acetate Stain is a ready-to-use stain that produces a deep black colour for both tannin-rich and non-tannin-rich woods.

For all untreated woods used indoors. Tannin-rich woods such as oak and black locust generally turn out darker than softwoods due to their natural tannin content.

We have combined the simple iron acetate stain – which many users also make themselves using vinegar and steel wool – with tannins. As a result, our stain also colours softwoods that do not contain tannins themselves and which, with a simple iron acetate stain, can only be darkened by pre-staining.

The principle is comparable to that of the iron gall inks used historically.

■ Properties

- penetrating
- translucent to almost opaque black
- highly diffusible (sd value <0.01 m, DIN EN ISO 12572)
- water-dilutable
- good lightfastness
- free from biocides
- vegan
- can be finished with oils, waxes or shellac

■ Composition (Full declaration)

Water, acetic acid, iron acetate, tannin, gum arabic

■ Suitable tools

Metal-free brushes and paint pads.

■ Trial application

It is recommended that you carry out a test application on a sample of the type of wood to be used before treating the workpiece, in order to assess the colour effect and any interactions with substances in the substrate. It is best to carry out a follow-up treatment as well.

■ Substrate requirements

The substrate must be untreated, dust-free, clean, dry, free from grease, chemically neutral and absorbent. Application temperature: at least 10°C. Wood moisture content < 15%. Do not apply to damp timber!

The wood should not contain any metal parts, as the stain may react with these and cause discolouration. Residues of glue stand out clearly, as they do not absorb the stain. Thin veneers are therefore also unsuitable for staining.

■ Dilution

The stain can be diluted with water to achieve a lighter colour effect. To do this, carry out a staining test. Dilutions of up to 1:10 are possible.

■ Preparing the substrate

Rub resinous woods with balsam turpentine oil or orange peel oil if necessary. **First sand the wood coarsely in the direction of the grain, then dampen it (moisten with warm water, e.g. using a sponge) and, once dry, sand it finely.**

■ Priming

The wood stain must only be applied to untreated wood. Do not use any other primers before applying the Iron Acetate Stain!

■ Application

Shake the product thoroughly before use. Apply evenly in the direction of the grain using suitable tools. For a darker colour effect, a second coat of stain may be applied once the first coat has dried.

Mix containers with different batch numbers together before use.

■ Follow-up treatment

The wood stain colours the wood but is not a final finish. Once dry, the wood stain can be finished with any Kreidezeit oils or wax products. For woodturners, we recommend our Shellac Wax Polish (Item 4106) for a glossy finish. Excellent products that are also suitable for furniture include, for example, Kreidezeit Hard Wax Oil and Hard Oil, both of which are solvent-free. The after-treatment alters the colour effect due to different light refraction; as a rule, this makes the stain appear slightly darker.



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■ Drying times

Dry and recoatable at 20 °C and 60 % relative humidity after approx. 12 hours.

■ Reinigung der Werkzeuge

Sofort nach Gebrauch mit Wasser

■ Consumption

Depending on the absorbency of the substrate, approx. 0.1 litres per m² per coat.

Higher consumption is to be expected on highly absorbent woods. Determine the exact consumption rates on site.

■ Container sizes

Art. 4105-250, 250 ml

Please refer to the current price list for prices.

■ Storage

If stored in a frost-free place and sealed airtight, the product will keep for at least 2 years.

■ Disposing leftover product

Do not pour any leftover product down the drain; instead, store it in an airtight container and use it up later. Dried-up product residues can be disposed of with household waste.

Place empty containers in the recycling bin. Observe the current official regulations on the disposal of leftover paint and varnish.

■ Notes

When natural surface products are drying, a characteristic odour is released, which dissipates over time. Any iron filings left on the substrate may cause discolouration when the product is reapplied.

■ EU VOC Value acc. to 2004/42/EC

VOC limit / Max. VOC content (cat. A/l wb): 200 g/l (2010), Product contains max. 1 g/l VOC.

■ Warning

Be aware of possible allergies to natural substances. **Keep out of reach of children.**

The product is acidic. Protect your skin and eyes whilst using it. In case of contact with the eyes, rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

Risk of permanent staining: take care to protect surfaces that cannot be treated, textiles, carpets, etc. from splashes of the product.

■ Hazard statements

Not applicable; no hazardous substances.

■ Precautionary statements

P102: Keep out of reach of children.

EUH210: Safety data sheet available on request.

The information above was determined based on our most recent experiences. Due to processing methods and environmental influences, as well as the varying nature of the substrates, liability for the general validity of the individual recommendations is excluded. Users must test the product prior to application to ensure it is fit for the designated purpose (sample coating).

This document is no longer valid if a new version is published or the product is modified. The latest product information is available at Kreidezeit directly or on the Internet: www.kreidezeit.de