



Casein Paint Set

Product information Art. 4503-5-75, 12.08.2026



Stefan Benner

■ General

In the past, wooden surfaces were often painted with casein paints indoors: in the Middle Ages as panel painting or for ceiling paintings. Milk protein, also known as casein, is said to have been used for paintings in ancient Egypt. At KREIDEZEIT, we have been producing casein paints for more than 30 years. We developed this product together with Stefan Benner especially for woodturning.

■ Uses

KREIDEZEIT Casein Paint is a matt, quick-drying and well-opaque paint for untreated wood indoors.

If the surface is to be protected against soiling, subsequent treatment with oil or wax products or e.g. KREIDEZEIT Worktop Oil solvent-free (Art. 4206) is required. This will deepen the colour.

■ Properties

- powder for mixing with water
- matt
- easy to process
- highly diffusible (sd value <0.02 m, ISO EN ISO 12572)
- antistatic, excellent opacity
- can be painted over several times
- free from preservatives
- free from synthetic resin binders

■ Composition (full declaration)

Chalk, earth and mineral pigments, casein, china clay, soda, cellulose, methyl cellulose.

■ Suitable Tools

Bristle brushes

■ Trial application

It is recommended to create test areas before large-scale application in order to evaluate the final colour effect and possible interactions with ingredients of the substrate.

■ Substrate requirements

Casein Paint is only suitable for untreated wood. The substrate must be structurally sound, absorbent, dust-free, clean, dry, solid, grease-free and free from penetrating and colouring substances.

Not suitable for lacquered, varnished, oiled, waxed, foiled or laminated wood.

■ Preparing the substrate

If necessary, rub down resin-rich woods with KREIDEZEIT Balsamic Turpentine Oil or Orange Peel Oil. Roughly sand the wood first, then soak (moisten with warm water, e.g. with a sponge) and sand finely after drying. Remove dust thoroughly after sanding.

■ Primer

Not required.

■ Mixing the paint

Stir 75 g powder into 110 ml clean, cold water until the mixture is lump-free. Leave to stand for at least 30 minutes and stir well again before use.

TIP: As very little colour is usually needed for woodturning, a measuring spoon or tablespoon can also be used as a measure. Simply pour a measuring spoon of water into a container and stir in a level measuring spoon of powder with a stirring stick.

■ Dilution

The paint must be adjusted with water to a spreadability that is suitable for the substrate; it may need to be diluted further for this purpose. Casein paint can also be used as a semi-covering/ glazing coat.

■ Application

Processing temperature at least 8 °C. Stir occasionally during application. Two coats may be required for full opacity.

Apply thinly and evenly. Too thick a coat can lead to paint damage. Allow previous coats to dry out completely before recoating.

The mixed paint must be used within 1-2 days. Do not use paint that smells bad or foul under any circumstances: Danger of long-lasting odour problems even after drying!

■ Tinting

The 5 different colours can be mixed together in any ratio.

■ Surface protection

Various KREIDEZEIT oil or oil-wax products can be used as surface protection. For example, our LFGB §31 tested Worktop Oil suitable for food contact (Art. 4206) is suitable for woodturning. Apply the oil with a brush, leave to absorb for 20 minutes and then rub off any oil that has not been absorbed with a cloth. After treatment with an oil or wax product, it is no longer possible to repaint with the Casein Paint!



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■ Drying times at normal climate

Can be painted over after approx. 2-4 hours. This can be accelerated with a hair dryer.

■ Verbrauch

75 g casein paint is sufficient for up to 2 m² per coat.
Exact consumption quantities must be determined on site.

■ Package sizes

Art. 4503-5-75 Casein Paint Set contains:

75 g Casein Paint white
75 g Casein Paint oxide red
75 g Casein Paint green
75 g Casein Paint ultramarine blue
75 g Casein Paint mint

■ Storage

Stored in a cool, dry place, the paint powder will keep for at least 3 years.

■ Cleaning the tools

Immediately after use with water and KREIDEZEIT Corfu Soap (Art. 5102).

■ Disposing leftover product

Do not dispose of product residues in waste water. Dried paint residues can be disposed of with household waste. Dispose of empty packaging in the recycling system.

■ Hazard classification

none, non-hazardous product.

■ EU VOC Value acc. to 2004/42/EC

VOC limit / Max. VOC content (cat. A/a): 30 g/l (2010),
Product contains max. 1 g/l VOC.

■ Warning

Casein paints have a typical odour during processing, which disappears over time in a dry environment. Be aware of possible allergies to natural substances. Store out of reach of children.

The information above was determined based on our most recent experiences. Due to application 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. For the latest product information, please contact KREIDEZEIT directly or visit our website at www.kreidezeit.de