

■ General

Casein is a complex mixture of proteins obtained from milk. In powder form, it is added to the Marble Paint and dissolved with soda to form a binder. Even thousands of years ago, people knew that lime mixed with curd cheese was an excellent binder for paints and glues. Some of these works are still preserved in churches and museums. Proof enough for the excellent quality of casein colors. Not only the quality, but also the environmentally friendly production and processing of casein paints are reasons to rediscover and further develop old recipes.

■ Uses

Wall and ceiling paint for interior use. Suitable for all structurally-sound, absorbent indoor renders (clay, lime, gypsum and cement), fillers, ingrain wallpaper, pure wallpaper, paper fleece, plasterboard, gypsum fibreboards and concrete.

Also suitable for firmly ingrained, matt and absorbent emulsion paints (please always test on a small sample area first.)

For wet rooms, we recommend Kreidezeit Lime Paint (article no. 888).

■ Properties

- Powder for mixing with water
- Easy to use
- Very open to diffusion, antistatic
- Excellent opacity
- Natural white due to fine marble powder
- Without Titanium White
- Wiping resistant and several times overcoatable.
- All ingredients from natural sources
- Free of antidegradants
- free of synthetic resin binders

■ Composition (Full Declaration)

Marble powder, chalk, casein, kaoline, soda, methyl cellulose

■ Suitable Tools

Good quality, medium-pile paint roller (polyamide) and paint brush. Airless sprayers (min. air pressure 200 bar).

Recommended from the Kreidezeit range:

Facade brush (article no. P 6080)

Lime brush (article no. P 6082)

Professional roller (article no. 6365)

Professional roller (article no. 6565)

■ Substrate requirements

The substrate must be **absorbent**, structurally sound, clean, dry, solid, non-greasy and free from colouring and permeating ingredients.

■ Preparing the substrate

Thoroughly remove old distemper coats and any other old chalking, loose or unworkable coats. Thoroughly wash any wallpaper adhesive residue off the substrate. Thoroughly sweep sanded surfaces.

Remove binder accumulations and sinter skin from render surfaces. Remove mould oil residue from concrete surfaces. Remove any loose render or wall parts and touch up with a similar material. Penetrating and colouring ingredients in the substrate can be sealed off with Shellac Sealing Primer (article no. 234) before the paint is applied.

Clean any mouldy mineral substrates with soda (article no. 993) or treat with Fungi Stop (article no. 620).

Completely fill any drywall (plasterboard, fibreboard, etc.) (Q4) or cover fully with Paper Fleece (article no. 007).

Fully cover any render substrates with a different structure, different absorbency or any touch-ups using paper fleece, or completely fill with Kreidezeit Wall Filler or Lime Wall Finish to at least 1.5 mm.

■ Primer

Apply a base coat to all renders, fillers, levelled drywall, concrete and old emulsion paints with Vega Primer (article no. 2104) or Casein Primer (article no. 145) and leave to dry completely. Do not apply to paper fleece/wallpaper.

■ Mixing the paint

Stir in the specified amount of powder into clean, cold water, until the mixture is smooth. **Use a powerful drill with agitator.** Leave to expand for at least 30 minutes and stir well again before processing.

■ Water required

Adjust paint/water mixture to suit the surface; i.e. a little more water may be required for a particular application.

- Application with paint roller:

Mix 1 kg of paint powder with 550 ml of water.
Dilute with up to 150 ml of water if necessary.

- Application with paint brush:

Mix 1 kg of paint powder with 650 ml of water.
Dilute with up to 150 ml of water if necessary.



Casein Marble Paint

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■ Application

Application temperature at least 8°C. Stir occasionally during application. Two coats are typically required for full opacity. Do not attempt to cover dark and high-contrast substrates with only one coat of paint; excessive application thicknesses can lead to damage to the coating! Allow previous coats to dry completely before applying another coat. During the application, the wet paint is translucent; it only becomes fully opaque once drying is complete.

- Using a paint brush:

Apply evenly with a facade brush in a criss-cross pattern.

- Using a roller:

Apply the paint **liberally** and evenly in a criss-cross pattern. Then immediately use a roller in a single direction, without applying any further paint.

The Paint must be applied on the same day as mixing. Do not use paint that smells bad or rotten under any circumstances: Danger of prolonged odour problems even after drying!

■ Tinting

The Marble Paint can be tinted with up to 10% Kreidezeit earth and mineral pigments (max. 100 g pigment per 1 kg paint powder). Either stir the pigment directly into the preparation water until smooth before mixing in the white Marble Paint powder, or create a paste with a little water and then mix in with the finished Marble Paint. For tinting, please see our Kreidezeit Wall Paints and Renders colour fan. The colour fan is available online at www.kreidezeit.de. Printed versions are available from Kreidezeit and Kreidezeit dealers.

■ Renovation

Casein Marble Paint can be coated with Kreidezeit Casein Marble Paint, -Vega Wallpaint, -Lime Paint, -Clay Paint and -Distemper. A previous coat of Vega Primer (article no. 2104) or Casein Primer (article no. 145) makes it easier to paint over.

■ Drying Times at Normal Climate

Safe to coat after approx. 8 hrs.

Thoroughly dried after approx. 24 hrs.

■ Consumption

On even and normal absorbent surfaces approx. 145 g of paint powder per m² per coating. Accurate consumption values to be determined on site.

■ Package Sizes

Article no. 105	2.5kg
Article no. 106	5kg
Article no. 107	10kg
Article no. 108	25kg

Please refer to the valid price list for product prices.

■ Storage

If stored cool and dry, the paint powder can be kept for at least 3 years. Tip: Small quantities of mixed paint can be frozen for repair purposes.

■ Cleaning The Tools

Immediately after use with water.

■ Disposing Leftover Product

Do not dispose of leftover product down the drain. Leftover product can easily be composted or disposed of in the household waste when dry. Empty packaging can be recycled.

■ 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.

■ Tips

- Overcoating of old dispersion paints:

The old paint must be stable, matt and slightly absorbent. For better adhesion to the substrate we recommend an addition of 30 ml Safflower oil (low-yellowing, Art. 370) for 1 kg of paint powder used. The oil is added to the casein paint after its expanding time, stirring vigorously.

Dirty dispersion paints must be cleaned before applying the casein paint, e. g. with soda (Art. 992). In these cases, the suitability of the paint should generally be tested on site by setting up a trial area.

■ Warning

Casein paints have a typical odour during processing, which disappears over time in a dry environment. Observe possible allergies to natural substances. Keep 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