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# Casein Marble Paint

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Product Information  
105 - 108

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## • GENERAL

Casein is a complex mixture of proteins and won from milk. It is added to the Marble Paint in powder form and is solubilised with soda to a high-quality binding agent. Mankind knows for thousands of years that lime mixed with casein is an excellent binder for paints and glues. Some of these works can still be seen in churches and museums. They prove the excellent quality of casein paints. Not only the quality but also the environmental friendly manufacturing and application of casein paints are good reasons to rediscover old recipes and to advance them.

## • APPLICATION

Paint for walls and ceilings in the interior. Suitable for application on absorbent surfaces like plaster, stone, concrete, ingrain- and normal wallpaper, drywalls, fibrous plaster boards. Suitable to only a limited extent on old emulsion paint coatings after trial coat with positive result (see "Tips").

Unsuitable surfaces are e.g. old glue-bound distemper coatings, lime coatings, oil paint coatings, latex- and plastic coatings, metal, surfaces with residues of glue and all even, non-absorbent surfaces as well as permanently humid surfaces.

We recommend Kreidezeit Pit Lime Paint (Art.No. 888) for humid rooms.

## • PROPERTIES

- Powder to be mixed with water
- Easy to use
- Very open to diffusion
- Excellent coverage
- Natural white due to fine marble flour
- Without Titanium White
- Wiping resistant and several times overcoat-able.
- All ingredients from natural sources
- Free of antidegradants

## • INGREDIENTS

Marble flour (several grain sizes), chalk, casein, kaoline, soda, methyl cellulose

## • SUITABLE TOOLS

Quality paint rollers and brushes.

Suitable for application with airless spray guns.

You will find quality brushes in our assortment:

Facade brush (Art.No. P 6080)

## • PREPARATIONS

The surface must be solid and clean, absorbent, free of dust, fat and striking-through or colouring substances.

- Remove old glue-bound distemper coatings and other chalking or non-coatable coatings. Remove loose old coatings. Thoroughly wash off glue residues.
- Brush sanding surfaces thoroughly.
- Remove accumulations of binder and sintered skin from plaster surfaces.
- Remove residues of molding oil on concrete surfaces.
- Remove loose parts of plaster and brickwork and repair with similar material.
- Striking-through or colouring substances on the surface must be blocked with Shellac Shielding Primer (Art. 234) before application.
- Clean fungi-affected mineral surfaces with Soda (art. 993).

## • USAGE

Application temperature at least 8°C.

### 1. Priming

Untreated, absorbent surfaces (all plasters, drywalls, fibrous plaster boards) must be primed with Casein Primer (Art.No. 145) first.

### 2. Mixing the Paint

Stir the powder into the correct amount of clean, cold water using a powerful electric drill with a paint stirrer. Ensure that all clots are stirred out properly. After an expanding time of approx. 30 minutes, stir again thoroughly.

### 3. Coatings

Apply paint thinly and evenly.

The use of too much paint can lead to damages in the coating.

The paint is transparent during application, the full covering power is reached after drying. Stir again thoroughly after longer breaks.

Use up mixed paint the same day.



- **AMOUNT OF WATER**

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

Paint roller:

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

Paint brush:

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

- **TINTING**

Up to 10 % Kreidezeit mineral pigments may be used for tinting. According colour charts are available at our dealers. Other pigments must be alkali resistant.

Stir pigments into the mixing water before mixing the paint. Ensure that all clots are stirred out properly. To gradate, stir pigments in water and add to the already mixed paint.

- **PACKAGE SIZES**

Art.No. 105	2.5kg
Art.No. 106	5kg
Art.No. 107	10kg
Art.No. 108	25kg

Please refer to the valid price list for product prices.

- **DRYING TIMES AT NORMAL CLIMATE**

Safe to coat after approx. 8 hrs.  
Thoroughly dried after approx. 24 hrs.

- **YIELD**

On even and normal absorbent surfaces approx. 145 g of paint powder per m<sup>2</sup> per coating.  
Accurate consumption values to be determined on site.

- **STORAGE**

If stored cool and dry, the paint powder can be kept for at least 3 years.

- **CLEANING OF TOOLS**

Immediately after use with water or with slightly soapy water (Marseille Soap, Art. No. 220).

- **DISPOSAL OF RESIDUES**

Do not dispose of residues in the sewage system. Residues can be composted or be disposed of with normal household litter. Disposal of empty containers through resource collection points.

- **HAZARD CLASSIFICATION**

Not applicable, non-hazardous product

- **NOTES**

Also paints made from natural and non-toxic ingredients should always be kept out of reach of children. Casein paints have a typical smell during application that disappears after by and by in a dry environment.

Consider possible allergies to natural substances.

- **TIPS**

Over coating of old emulsion paints:

The old coating must be solid, matt and slightly absorbent. We recommend to add 30 ml of Safflower Oil (Art.No. 370) per 1 kg of paint powder to increase the adhesion capability.

The oil is stirred into the paint after the expanding time.

Dirty emulsion paint coatings must be cleaned before applying the paint, e.g. with Soda (Art.No. 992).

In this case, the suitability of the paint must be ensured by making samples on site.

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](http://www.kreidezeit.de) << or directly at Kreidezeit.

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