



Full-tone Binder

Product information article no. 2140

10.08.2018

■ General

With KREIDEZEIT Full-tone Binder and KREIDEZEIT pigments you can easily mix full-tone wall paints according to your own wishes. There are no limits to your imagination. You can produce wall paints from single pigments, or from mixtures of two or more pigments in any ratio. For tinting, please see our colour flyers for KREIDEZEIT "Wall Paints and Renders" and "Further Pigments" colour fan. The colour charts are also available online at www.kreidezeit.de. Printed versions are available from Kreidezeit and Kreidezeit dealers.

Binder for mixing full-tone wall and ceiling paints for the interior. 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). **The Full-tone Binder must be mixed with pigments in a ratio of 1:1 and must not be applied unpigmented as a single coat.**

■ Properties

- Powder for mixing with water
- Easy to use
- Low odour
- Very open to diffusion, antistatic
- Without Titanium White
- Wiping resistant and several times overcoatable.
- Free of antidegradants
- Free of synthetic resin binders
- Vegan

■ Composition (Full Declaration)

Chalk, vegetable casein, kaoline, cellulose, soda, methyl cellulose

■ Suitable Tools

Facade brush (article no. P 6080)
Lime brush (article no. P 6082)

■ 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, old emulsion paints and Kreidezeit Lime 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. Precoat Kreidezeit Lime Paints additionally with Clay Paint oder Vega Wallpaint.

■ Mixing the paint

The Full-tone Binder must be mixed with pigments in a 1:1 ratio, e.g. 1 kg solid binder (powder) + 1 kg pigment (powder).

First stir the pigment lump-free into the required amount of clean, cold water and only then stir in the Full-ton Binder until the mixture is lump-free. Alternatively, the Full-tone Binder and pigments can also be pre-mixed dry beforehand and then stirred together in water. Use a **powerful drill with agitator** for mixing. Leave to expand for at least 30 minutes and stir well again before processing.

■ Water required

The water requirement varies depending on the pigment used. Guide values for a mixture of 1 kg full-tone paint, consisting of 500 g Full-tone Binder and 500 g pigment:

- **1.25 L water:** Ochre yellow, Ochre red, Umber light brown, Ochre gold, Ochre orange, Oxide orange, Umber green, Iron Oxide Black, Ultramarine blue, Ultramarine violet, Spinel yellow, Spinel turquoise, Spinel blue, Spinel green, Spinel orange, Spinel mint, Sun yellow, Umber burnt, Terra di Siena burnt, Iron Oxide red 110, Iron Oxide red 130, Iron Oxide red 140, Iron Oxide red 180, Umber burnt (Cyprus), Chrome oxide green
- **1.50 L water:** Umber green dark, Umber reddish, Umbra black-brown, Iron oxide yellow 930, Iron oxide brown 610,
- **1.75 L water:** Siena red, Umber red-brown, Iron oxide yellow 420
- **2.00 L water:** Umber dark, Umber natural, Terra di Siena natural.



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■ Dilution

It is important not to apply Full-tone paints too thickly. This means that, depending on the substrate, the paints may have to be further diluted with water to achieve a good spreadability.

■ White brightening

For brightening, the mixed Full-tone paints can be mixed in any ratio with white Kreidezeit Vega Wallpaint or Clay Paint.

■ 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 drying, the colours lighten considerably.

- **Using a paint brush:** Apply evenly with a facade brush in a criss-cross pattern.
- **Using a roller:** Not recommended, danger of streaky drying !

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!

■ Appearance

Depending on the substrate, ambient conditions and the pigment used, full-tone paints dry up from homogeneous to noticeably cloudy. The result should be determined before large-area processing by means of test surfaces.

With the following pigments it is more difficult to create a uniform coat of paint: Siena red, Umber red-brown, Umber dark, Umber green, Terra di Siena natural, Iron Oxide yellow 420 and 930, Chrome Oxide green.

■ Renovation

Full-tone paints can be coated with Kreidezeit 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

approx. 50 g Full-tone Binder + 50 g pigment per m² per coat on even and normal absorbent substrates.

Accurate consumption values to be determined on site.

■ Package Sizes

article no. 2140 500 g for up to 10 m²

article no. 2140.1 1.5 kg for up to 30 m²

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 2 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.

■ 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 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