

# BEECK Mattolin *extra matt*

**Matt interior finish for historical indoor design. Free from synthetic resins. Can be polished to satin gloss**

## 1. Product Properties

Highly opaque interior stand oil wall paint referred to historical distempers, casein and emulsion paints. Ideal for stylish renovation and conservation in listed buildings e.g. of art nouveau or Victorian epoch. Suitable surfaces are plaster or stucco. Also recommended for monochrome renovation of interior framework walls. Can be used on old dull matt emulsion paints directly without any bonding primer. Also for use as a distemper on interior wood, e.g. wall or ceiling paneling, timbering, choir stalls, galleries or balustrades. BEECK Mattolin extra matt can be polished to satin gloss, if desired, e.g. for smoothening and marbling techniques and enables creative painting works.

### 1.1. Composition

- Stand oils and tree resins as binders, free from synthetic resins
- Lightfast mineral pigments
- Mineral matting agents, white pigments and fillers
- Water based, low VOC content

### 1.2. Technical properties

#### 1.2.1. Overview

- Use on interior surfaces
- Attractive matt finish
- Can be polished up to an attractive marble sheen or satin gloss
- Free from synthetic resins
- Hiding power: class 1, Wet-scrub resistance: class 2
- Does not tend to peel or flake of
- Lightfast mineral pigmentation
- Highly permeable for water vapour and CO<sub>2</sub>
- Not thermoplastic
- Resistant against commercial disinfectants
- Capillary active with excellent building physics
- Adequate for preservation of historical buildings
- Ecological, based on renewable raw materials

#### 1.2.2. Important building physics characteristics\*

Parameter	Value	Conformity
Density 20°C:	1.45 kg / L	
pH value 20°C:	7 - 8	
Dynamic viscosity 20°C:	6,000 mPas	
W <sub>24</sub> value*:	0.20 kg / (m <sup>2</sup> h <sup>1/2</sup> )	
s <sub>d</sub> value (H <sub>2</sub> O)*:	< 0.1 m	
Hiding power / Contrast ratio:	Class 1	EN 13300
Wet-scrub resistance:	Class 2	EN 13300
Gloss level at 85°:	dull matt respectively glossy**	EN ISO 2813
Flammability class:	A2, nonflammable	EN 13501-1, DIN 4102
VOC content (max.):	5 g / L	ChemVOCFarbV Cat. A / a

\* applicable to White | \*\* applicable if polished

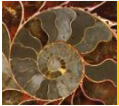
#### 1.2.3. Colour

- White, off-white, factory-tinted colours and full tone colours of the BEECK Mineral Paint Colour Chart.
- White and full tone colours can be mixed as required. Please notice a reduced wear-resistance when using tinted or full colour tones. Cleaning, abrasion and reparation may produce visible defects on the surface.

## 2. Use

### 2.1. Substrate requirements

- The substrate must be clean, dry, firm and stable and must be free from efflorescent and separating substances.
- Can be used on solid, even organic bound surfaces which are water proof and wettable with water.
- Check drying and strength of new plaster.
- Carefully make good chipped surfaces and misses with the same type of material and the same texture.
- Use plaster to repair cracked substrates. On surfaces with hair line cracks or structural defects, apply fabric all over to achieve a uniformly surface.



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- As a slurry base coat, stir 1 bag BEECK Quartz Filler P á 4 kg in 1 bucket BEECK Mattolin extra matt á 10 litre. Apply in a thin and uniformly coat. Top coat with BEECK Mattolin extra matt in the same colour, without addition of BEECK Quartz Filler P.
- On critical, smooth surfaces, prime if necessary with BEECK Gypsum Primer all over. Make samples.
- Ensure uniform substrates and careful application on high visual quality surfaces and in glancing light.
- BEECK Mattolin extra matt as a porous wall paint is less suitable for areas with splash water in plumbing units.
- In historical buildings with high humidity and dampness, mould and fungi may arise. Therefore, please use high alkaline BEECK Mineral paints for risky areas.

## 2.2. Brief information on the standard system

- Apply two coats of BEECK Mattolin extra matt.
- If a satin gloss appearance is desired, subsequent sand and polish BEECK Mattolin extra matt.

## 2.3. Substrate and preparatory treatment

- **Gypsum plaster, plaster stucco, Gypsum boards:**  
Grind off any sinter skin beforehand. Ensure proper installation and required surface quality and evenness tolerances under the given on site and glancing light conditions (VOB/C and quality level 3 or 4, according to good practice guide No. 2 issued by the German gypsum industry association (Bundesverband der Gipsindustrie e.V.)). If using tinted coatings it is advisable to cover substrate with a non-woven wall covering.  
**Lime-cement plaster (PII), cement plaster (PIII):**  
Examine plaster for drying and strength. Grind off sinter skin on solid plaster, or use BEECK Etching Fluid.  
**Calcium silicate masonry, brick:**  
Clean, make good crumbling joints. Test for absorbency, moisture damage and efflorescence (salt edges!). Prime clinker or ceramic with BEECK Gypsum Primer if necessary.
- **Concrete:**  
Thoroughly clean concrete with water and BEECK Formwork Oil Remover according to the factory specifications and rinse off with clean water. Test the wettability of the cleaned substrate by spraying on water. Prime with BEECK Gypsum Primer, or use filler or fabric all over alternatively, also to cover cavities.
- **Fabric, textured/embossed wallpapers, woodchip wallpaper, canvas, carton:**  
Only for alkali-proof, water-wettable fabric and paper. Ensure homogeneous bonding over whole surface.
- **Old emulsion coatings:**  
Make samples before applying on existing coatings because of risk of incompatibility (plasticisers, aniline dyers, alkalinity etc.). Clean strongly adherent coatings. Brush off highly chalking coatings. Sand glossy coatings until dull matt and degrease. Remove lacquers, latex and plasto elastic resin coatings completely. Use BEECK Stand oil paints to renovate existing oil paints in a stylish manner. Remove glue-bound distempers completely by washing. Use BEECK Mineral paints to refurbish existing lime or silicate coatings.
- **Wood, solid wood, wood-based materials:**  
Treat wooden surfaces as required. Prime absorbent, raw wood with BEECK Wood Primer. Always make samples before applying on critical surfaces (oak, tropic wood, wood-based materials), prime with BEECK Wood Primer. Sand or remove existing coatings as required. Remove peeling or defect coatings. Prime ferrous fittings with BEECK Corrosion Protection Primer and BEECK Undercoat if necessary. Polish BEECK Mattolin extra matt subsequent to improve wear resistance when used on mechanically stressed wooden surfaces.
- **Unsuitable substrates** are weak, efflorescent or highly alkaline substrates, e.g. air-lime plaster, plastic or clay.
- **Defective substrates** require a differentiated approach. Apply renovation plaster to damp, salt contaminated areas, basement walls and base areas. Further treatment with BEECK Mineral paints.

## 2.4. Application instructions

### 2.4.1. General information

Check substrate suitability as required (see 2.1 and 2.3). Pay particular attention to the absorbency, strength and texture of the respective substrate. Try out on a test area before using on high quality and critical surfaces.

- Carefully cover surfaces which are not to be treated – especially glass, ceramics, window sills, expansion joints, lacquer and anodic coatings – and protect them from splashes.
- Provide personal protective equipment.
- Only use containers from the same production batch to coat self-contained areas.
- Stir BEECK Mattolin extra matt thoroughly with a powered mixing paddle before use.
- Add water to make optimally coatable.
- Minimum application temperature: + 18°C. Ensure proper ventilation and room ambient temperature (min. + 18 °C) while drying. Drying time: at least 12 hours per coat.



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## 2.4.2. Application

With roller, brush or airless spray method. Apply on self-contained areas in one pass, with a thin coating and uniformly by cross coating. Use brush when working stylish in historical room ambient.

- **Application with roller or brush:**

- Rollers or brushes with a uniform coating finish are suitable.
- Avoid roller edge marks, ridges and joins. Cut-in edges smoothly and seamlessly, wet-on-wet, together with the main area. As brushed surface, spread in no particular direction.
- Coats
  1. Primer coat: thin product with around 5 % – 10 % water to improve coatability.
  2. Topcoat: After at least 12 hours, unthinned or optimally made coatable with max. 5 % water.
- Processing in a very carefully application method provides a single renovation coat on suitable surfaces. Thin with approx. 5 % water and apply very uniformly in a zero-defect coat.

- **Spray application (airless):**

- Nozzle: 0.43 mm / 0.017 inch
- Always sieve the product before use and thin with approx. 5 % water.
- Apply uniformly and as a thin coat, and then, if necessary, use a brush or roller to uniformly lay-off.

- **Special technique polishing, smoothening technique and marble imitation:**

- BEECK Mattolin extra matt is able to polish up to satin- or marble gloss by using pad, polisher, agate polish stone or soft spatula. Apply BEECK Mattolin extra matt in 2 - 3 coatings with a drying time of at least 12 hours in between. Apply last coating crisscross by spatula. Allow last coat to dry for 2 - 6 hours and then sand carefully and evenly (grit approx. 240, wear dust mask). Polish carefully to achieve a marble-like gloss effect. It is always recommended to make a test on original surfaces on site beforehand in the colour tone of desire.

## 3. Application Rate and Container Sizes

The application rate, i.e. the quantity required for smooth, normally absorbent substrates is approx. 0.12 L BEECK Mattolin extra matt per m<sup>2</sup> and pass. Try out on a test area on site to determine substrate-related differences.

Container sizes: 1 L / 4 L / 12.5 L

## 4. Cleaning

Thoroughly clean equipment, tools and soiled clothing with soap water immediately after use.

## 5. Storage

Stored cool and frost-free, BEECK Mattolin extra matt can be kept for at least 12 months. Use up opened containers as soon as possible.

## 6. Hazard notes, Safety instructions and Disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, spray-mist and dust. Carefully protect the area surrounding the surface to be coated, wash off splashes immediately with water. Disposal in accordance with the official regulations.

Waste disposal number: 080112

## 7. Declaration

This technical information is offered as advice based on our knowledge and practical experience. All information is provided without guarantee. It does not release the user from their responsibility to check the product suitability and application for the specific substrate on which it is to be used. Subject to change without notice as part of our product development. Non-system additives for tinting, thinning, etc. are not permitted. Check the colours before use. This information sheet automatically becomes invalid when a new edition is issued. The information in the current version of the EC Safety Data Sheets is binding for classification according to the Hazards identifications, disposal considerations, etc.