



## KÖSTER MF 1

Technical Data Sheet P 280 012

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### Mineral paint in powder form for interior and exterior use

#### Features

KÖSTER MF 1 is mixed with water and then produces a white mineral paint that can be used indoors and outdoors. KÖSTER MF 1 hardens hydraulically after application, i.e. even without air supply. After curing, KÖSTER MF 1 takes on its typical matt and mineral appearance. The product is non-film-forming in the classic sense, very good water vapor permeability, weather and water resistant and creates a natural indoor climate in the interior. It also has an algae-, mold- and fungus-inhibiting effect, although it does not contain any fungicides. The high pH value of KÖSTER MF 1 has an antibacterial and disinfecting effect. KÖSTER MF 1 should only be applied to crack-free building structures.

#### Technical Data

Maximum grain size	< 0,1 mm
Processing temperature	min. +5 °C
Processing time (+20 °C)	approx. 30 minutes

#### Fields of Application

KÖSTER MF 1 can be used on all mineral substrates (old and new plasters - except gypsum) and on rough and absorbent natural stone and concrete. For coating wall surfaces in interior and exterior areas and for surfaces that are frequently exposed to moisture and wetness. For living and office spaces, facades, cellar walls, garages, laundry rooms, damp rooms, stables, etc. Also suitable for the preservation and design of historical buildings in the field of monument preservation and renovation of old buildings.

#### Substrate

The mineral substrate must be clean and sound. Dust, oil or grease as well as fungal and moss infestation and other substances affecting adhesion, such as emulsion or oil paints etc. must be removed mechanically or by other suitable methods. Defects in the substrate must be made flush with the surface before applying KÖSTER MF 1. Pre-wet absorbent substrates with water, prime highly absorbent substrates with KÖSTER Polysil TG 500. Wood, metal, wallpaper, gypsum plaster and gypsum plasterboard are unsuitable substrates.

#### Application

Mix KÖSTER MF 1 with clean tap water to a homogeneous, creamy, spreadable mass. To do this, add the powder to the addition water. 5.0 to 5.4 liters of water are required per 12 kg container (2 x 6 kg bags) (2.5 - 2.7 liters per 6 kg bag). The paint is applied with a short-pile sealing roller (pile height 6 mm) in two layers, fresh on fresh. A third coat may be required for dark or differently colored substrates. This is applied after a minimum of three hours and a maximum of 24 hours.

#### Aftertreatment

The regulations of DIN 1045 must be observed, i.e. avoidance of heat, frost and strong wind during application and at least 24 hours afterwards. Treated surfaces can be treated with KÖSTER Siloxan or KÖSTER Facade Cream for better water repellency after 7 days at the earliest.

#### Consumption

approx. 0.4 kg/m<sup>2</sup> in 2 coats (per coat approx. 0.2 kg/m<sup>2</sup>)

#### Cleaning

Clean tools immediately after use with water.

#### Storage

Store the material dry. In originally sealed packages it can be stored for a minimum of 12 months. The material can be shipped during frost.

#### Safety

Contains cement. Reacts alkaline. Wear gloves and goggles when processing the material. On contact, rinse off thoroughly with water. Observe all governmental, state, and local safety regulations when processing the material.

#### Other

When coating different substrates with aqueous, open-pored paint systems, certain substances such as salts, nicotine, rust, but also moisture etc. from the substrate can penetrate or lead to discoloration or color differences. It is therefore essential to carry out suitability tests and preliminary tests (sample surfaces).

#### Related products

KÖSTER Polysil TG 500  
KÖSTER Façade Cream  
KÖSTER Siloxan

Prod. code M 111  
Prod. code P 200  
Prod. code P 240 010

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.