



## TECHNICAL DATA SHEET

# KEIM ECOSIL® ME

## 1. PRODUCT DESCRIPTION

KEIM Ecosil ME is a high performance, environmentally friendly mineral paint for interior use. KEIM Ecosil ME optimises air quality, making use of the MiNox™ effect, using photocatalytic pigments to reduce noxious gases and odours by transforming them into natural substances.

## 2. FIELD OF APPLICATION

KEIM Ecosil ME is particularly suitable for interior walls and ceilings in heavily used areas such as public buildings, hospitals, schools, offices, hotels, restaurants and food storage areas.

Suitable substrates include all mineral plasters, concrete, plasterboard and sound previously painted surfaces.

KEIM Ecosil ME is not suitable for use on pure gypsum or on surfaces with salt efflorescence, on wood and enamels.

## 3. PRODUCT PROPERTIES

- Cleanable in accordance with DIN 53788, scrub-resistant
- Free from solvents, plasticisers and biocides
- Highly obliterative
- Non flammable
- Resistant to mould and fungal growth
- Photocatalytic effect
- Anti bacterial action
- Resistant to disinfectants
- Suitable for allergy sufferers
- Safe for application in food preparation areas

### Material characteristics

Specific Weight	1.60g/cm <sup>3</sup>
Resistance to vapour diffusion	s <sub>d</sub> = 0.02 m
Degree of glossiness	matt

### Classification according to DIN EN13300

Gloss at 85° (to ISO 2813):

matt

Maximum grain size (to EN 21524):

fine

Contrast ratio (hiding power to ISO 6504-3 at a yield of 6.5m<sup>2</sup>/l):

class 1

Wet abrasion resistance (to EN ISO 11998):

class 1

### Colour shades

White and in accordance with the KEIM Exclusive swatch. Not available in full tone colours (9001-9010).

## 4. APPLICATION INSTRUCTIONS

### Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using KEIM Mineral Paints may proceed.

Highly absorbent or friable substrates should be treated with KEIM Granital Dilution.

KEIM Ecosil Grund should be applied as a first coat in order to equalise differing levels of absorbency and on previously painted surfaces.

### Application

KEIM Ecosil ME should be applied as a 2 coat undiluted system with a minimum period of 5 hours between coats. KEIM Ecosil ME can be applied by brush, roller or airless spray. For previously painted surfaces and dry-lined surfaces KEIM Ecosil Grund should be used as the first coat.

### Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces.

### Consumption

Approx. 0.3 lt/m<sup>2</sup> for two coats.

Consumption rates are offered for guideline purposes only and are quoted for smooth surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

### Cleaning of tools

Clean immediately after use with water.

## 5. PACKAGING

5 lt & 15lt containers

## 6. STORAGE

Shelf life is approx. 12 months if kept dry, cool, but frost-free in tightly closed containers. Protect from moisture.

## 7. SAFETY INSTRUCTIONS

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material Safety Data Sheet

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

