

KEIM® Spezial-Dilution (Fixativ)

Silicate primer and thinner/dilution for KEIM coating systems



1. Product description

KEIM Spezial-Dilution is a thinner and primer or pretreatment comprising pure liquid potassium silicate with small quantities of other additives for KEIM silicate emulsion paints according to VOB/C DIN 18 363, 2.4.1.

2. Field of application

KEIM Spezial-Dilution is used as thinner/dilution for the following KEIM coating systems:

KEIM Granital system
KEIM Quarzil system
KEIM Ecosil-ME system
KEIM Biosil system
KEIM Mycal-Top

KEIM Spezial-Dilution can also be used as a clear primer for dusting or highly absorbent mineral substrates to control or reduced adsorption. KEIM Spezial-Dilution is not suitable for surfaces with salt efflorescence, on wood and enamels without proper surface preparation.

3. Product properties

KEIM Spezial-Dilution chemically bonds (silicification) with the substrate, it is extremely water vapor permeable, highly resistant to weathering and incombustible.

- Bonds with the substrate by silicification
- Weather-resistant
- Non-film-forming
- Extremely water vapor permeable
- Non-flammable
- Absolutely UV-stable

- Hinders fungal and mold growth
- Resistant to industrial fumes
- Solvent-resistant
- Environmentally friendly, good environmental impact assessment
- Excellent low environmental impact building material
- LEED - yes

Material characteristics

Specific weight:	approx. 1.03 g/cm ³
pH-value:	approx. 11
VOC's ASTM D6886:	< 1 g/l
Vapor permeability	75 - 85 perms

Color shade

Milky

4. Application instructions

Substrate preparation

The substrate must be sound, solid, dry, clean and free of dust, grease, oils, salts, moss, algae and other substances that would prevent bonding. Old resin coatings, loose substrate layers and organically bound coats must be removed.

Application

For pre-treating/priming dusting or highly absorbent substrates:

Apply KEIM Spezial-Dilution undiluted with a brush, roller or low pressure spray.

For diluting KEIM Granital, KEIM Granital-Grob KEIM Ecosil-ME, KEIM Ecosil-ME-Grob, KEIM Quarzil, KEIM Biosil systems and KEIM Mycal-Top:

See relevant Technical Data Sheet.



Application conditions

Air and surface temperature > 41 ° F (> 5 ° C)

Drying times

A drying time of at least 12 hours must be allowed between pretreatment and priming and between coats.

Consumption

For pretreatment on a smooth substrate:

Approximately 600 - 800 sq.ft. per 1.3 gallon container or 2400 - 3200 sq.ft. per 5.3 gallon container of KEIM Spezial-Dilution.

The stated consumption value is for guidance and depends on the absorbency and texture of the substrate. Exact consumption values can only be determined by applying trial areas on the structure to be coated.

Cleaning of tools

Clean with water immediately after use.

5. Packaging

1.3 gallon (5 liter) and 5.3 gallon (20 liter) containers

6. Storage

Shelf life is approx. 12 months in a sealed container under cool, frost-free conditions. Protect from heat and direct sunlight.

7. Hazardous substances ordinance class

n/a

8. Transport hazard class

n/a

9. Disposal

EC Waste Code no. 06 02 99

Any residues must be emptied out of containers before recycling.

10. Safety instructions

KEIM Spezial-Dilution is alkaline. Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

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.

