

KEIM CONCRETAL DILUTION

For masonry and concrete

FEATURES & BENEFITS

- » Bonds permanently with the substrate by silicification
- » Weather resistant
- » Water vapour permeable
- » Non-flammable
- » UV-stable
- » Helps prevent fungal and mold growth
- » Resistant to industrial pollutants and fumes
- » Solvent-resistant
- » Environmentally friendly, good environmental impact assessment
- » Excellent low environmental impact building material
- » LEED - yes

FIELD OF APPLICATION

KEIM Concretal Dilution is the dilution and additive for the sol-silicate-based coatings in the KEIM Concretal concrete protection system:

- KEIM Concretal-W
- KEIM Concretal-W-Grob
- KEIM Concretal-Lasur
- KEIM Contact-Plus

The absorbency of highly absorbent mineral substrates can be controlled with a coat of KEIM Concretal Dilution as a primer or pretreatment.

KEIM Concretal Dilution is a silicate-based dilution and primer developed for concrete substrates, it consists of a sol-silicate binder and additive.

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.

Repair damaged areas using the KEIM Concretal concrete repair system.

APPLICATION

For pre-treating highly absorbent substrates

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

Dilution for KEIM Concretal coatings for concrete

KEIM Concretal-W/Concretal-W-Grob:

Use for the priming coat, and as dilution for first coat. Depending on substrate absorbency, mix up to 10% max. of KEIM Concretal Dilution into KEIM Concretal-W. Finish coat of KEIM Concretal-W is applied undiluted. See relevant Technical Data Sheet for more information.

KEIM Concretal-Lasur:

Use for the priming coat, and to dilute the KEIM Concretal Lasur to the desired ratio. See product Technical Data Sheet for additional information.

COLOR SHADE

Milky

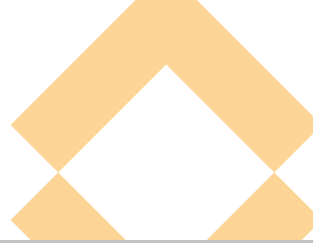
APPLICATION CONDITIONS

Air and substrate temperature: >41°F up to max. 86°F (5°C -30°C) up to max. 80% relative humidity.

Apply only to dry surfaces and in dry weather. Do not apply under direct sun or on sun-heated substrates or in strong wind. Surfaces must be protected after application from rain, wind and direct sun until they are completely cured.

DRYING TIME

A drying time of at least 12 hours must be allowed between pre-treatment/priming and between coats.



COLORS FOREVER.



KEIM CONCRETAL DILUTION

PACKAGING

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

STORAGE

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

TOOLS AND CLEANING

Clean with water immediately after use.

DISPOSAL

EC Waste Code no. 06 02 99

Any residues must be emptied out of containers before recycling.

HAZARDOUS SUBSTANCES ORDINANCE CLASS

n/a

TRANSPORT HAZARD CLASS

n/a

CAUTION

KEIM Concretal-Fixativ 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.

TECHNICAL DATA

SPECIFIC WEIGHT environ 1.05 g/cm²

PH-VALUE approx. 11

VOC'S ASTM D6886 0 g/L

VAPOUR PERMEABILITY 75 - 85 perms

CONSUMPTION

600-800 sq. ft./1.3 gallon (5 L) container when applied as a pretreatment and primer.

For KEIM Concretal-W/Concretal-W-Grob at 10% 12 – 13 oz / gallon of the respective coating. Used in the first coat only.

For KEIM Concretal-Lasur consumption depends on the dilution ratio. For example a 1:1 ratio would be 1 gallon of KEIM Concretal-Lasur and 1 gallon of KEIM Concretal-Dilution.

The stated consumption value is for guidance and depend on the absorbency and texture of the substrate desired translucency effect, application method and substrate conditions.

Exact consumption values can only be determined by a trial application on site using the tools, methods and techniques that will be used for the final application.

Note: The contents of this Technical Data Sheet are updated regularly. To ensure that you have the most recent version, please visit our website at the following address: www.king-masonry.com

This product is designed to meet the performance specifications outlined in this product Technical Data Sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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