

KEIM Contact-Plus

Coarse textured silicate primer for crack filling and equalizing appearance (≤0.5 mm)



1. Product description

KEIM Contact-Plus is a fiber-reinforced coarse textured silicate based priming/filling coat. Ideal for renovation work or new construction, containing glass fibers and high-grade fillers in balanced grain sizes and shapes. (0.5 mm maximum grain size)

2. Field of application

KEIM Contact-Plus is used for filling cracks up to 0.5 mm in width and for equalizing differences in substrate texture. The perfect texture for hiding imperfections in low quality finishes on concrete. It can also be used when renovating or coating sound acrylic and silicone resin-based coatings, acrylic stucco, terracotta, brick, historic masonry and many other mineral substrates. Exceptions not suitable for coating with Contact-Plus are plast-elastomeric coatings, saponifiable old paints (e.g. certain oil-based paints), non-wettable substrates (e.g. lacquers and varnishes).

Optional water repellency can be added with a treatment of KEIM Silan-100 before the first coat of KEIM Contact-Plus.

KEIM Contact-Plus is not a finish coat and can only be used as a base coat/primer; it must be over coated with 2 coats of a KEIM silicate finish.

KEIM Contact-Plus is not suitable for horizontal and slightly inclined surfaces exposed to weathering or floor surfaces.

3. Product properties

- Primer on existing organic substrate for subsequent coats of KEIM silicate finish

- Crack filling (up to max. 0.5 mm in width)
- Equalizes textures – hides repairs
- Non-film-forming – will not peel
- UV-resistant
- Non-flammable
- Chemical bonding
- Pollution resistant
- No solvents and plasticizers
- Algae and fungi resistant
- Water vapor permeable, microporous

Material characteristics

- Specific weight: approx. 1.70 g/cm²
- VOCs (white or tinted) ASTM D6886: <1g/l
- Vapor diffusion resistance: $s_d \leq 0.02$ m
- Vapor Permeability ASTM E96: 75 - 85 Perms
- Max. grain size: 0.5 mm
- pH-value: approx. 11

Color shade

White (can be tinted but not in full color shade, contact manufacturer for details)

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 oil based coatings, loose substrate layers and loose organically bound coats must be removed. Repair damaged areas before painting.

For repairing of damaged substrates or imperfections; Use the KEIM Concretal Mortars for concrete, use KEIM UniversalPutz for stucco and use the KEIM Restauo Mortars for masonry surfaces and joint repairs.



For new concrete structures; Concrete should be at least 28 days old and any formwork oil for Concrete, mold lubricating oil, shuttering oil, mold release oil, concrete form oil residues and curing compounds should be removed with KEIM Concrete Cleaner or by other methods. Clean, strong concrete without a sinter layer requires no pre-treatment.

Before KEIM Contact-Plus is applied, highly absorbent substrates exposed to moisture or severe weather may be treated with a water-repellent substrate treatment using KEIM Silan-100 to enhance waterproofing. A subsequent base coat of KEIM Contact-Plus must be applied after approx. 4 to 12 hours drying time for KEIM Silan-100.

Soft, porous surfaces or old existing mineral coats may be stabilized by pre-treatment with KEIM Spezial-Dilution or KEIM Fixativ.

New mortar or masonry surfaces may require treatment with KEIM Lime Remover before painting if they have a sinter layer

Application

KEIM Contact-Plus may be applied by brush, roller or spraying and back rolling (airless nozzle 537: 0.94 mm/0.037 in.). For crack filling brush application is best using crisscross strokes. For equalizing appearance application by roller is recommended.

On non-absorbent substrates, KEIM Contact-Plus should always be applied undiluted. On absorbent substrates KEIM Contact-Plus can be diluted up to maximum of 10% (12.8 oz/gallon) with KEIM Spezial-Dilution, KEIM Royalan-Dilution, KEIM Soldalit-Dilution or KEIM Concretal-Dilution.

Stir diluted KEIM Contact-Plus before and during application. Neither water nor any other materials may be added. Work corner to corner or use an architectural feature as a starting and stopping point.

KEIM Contact-Plus is not a finish coat and cannot be left exposed. It must only be used as a base coat/primer and must be over coated with 2 coats of a KEIM silicate finish.

Application conditions

From 41°F up to max. 86°F (+5°C - 30°C) air and substrate temperature; up to max. 80% relative humidity.

Only apply in dry weather conditions. Do not apply under direct sun or on sun-heated substrates or in strong wind. After application, surfaces must be protected from strong wind and direct sun until dry (3-6 hours) and from rain until cured (12-36 hours). Times depend on temperature and humidity.

Drying times

Dry to touch in 1-3 hours.

For recoating, at least 12 hours between coats.

If a pretreatment of water repellencies was applied allow drying before base coat is applied. Approx. 4 - 12 hours after KEIM Silan-100.

Consumption

The stated consumption figures are guide values for a smooth substrate. Exact values can only be determined by painting test areas on the structure to be coated using tools and techniques that will be used for the final application.

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120 - 160 sq.ft./gallon



Cleaning of tools

Clean immediately after use with water.

5. Packaging

1 gallon
and
4 gallon (packaged in a 5 gal pail)

6. Storage

Shelf life approx. 12 months, if kept cool, but frost-free in tightly closed unopened containers.

Note: Remnants of material from opened containers should be filled in smaller buckets in order to maintain the air content in the bucket at the lowest possible level.

7. Hazardous substances ordinance class

n/a

8. Transport hazard class

n/a

9. Disposal

EC Waste Code No. 08 01 12.

Any residues must be emptied out of containers before recycling.

10. Safety instructions

The mineral binder has an alkaline action. 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.

Product code: M-SK 01

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.

