



TECHNICAL DATA SHEET

CONTACT PLUS®

SOL-SILICATE BONDING PRIMER

PRODUCT DESCRIPTION

CONTACT PLUS® is a sol-silicate bonding primer designed to prepare previously painted surfaces, glossy and tough to paint surfaces for subsequent painting with mineral paints. It provides tenacious adhesion and is ideal when multiple types of surfaces are present, providing a uniform mineral surface. Available in smooth or sanded finish which will fill in small gaps and cracks.

FIELD OF APPLICATION

KEIM Contact-Plus is used to bond to previously painted and difficult to paint surfaces. It provides added adhesion when renovating or coating sound acrylic and silicone resin-based coatings, acrylic stucco, terracotta, brick, historic masonry, and many other mineral substrates. Do not use Contact-Plus on plastic-elastomeric coatings, saponifiable old paints (e.g., certain oil-based paints), and non-wettable substrates (e.g., lacquers and varnishes).

KEIM Contact-Plus is not a finish coat and can only be used as a base coat/primer; it must be over coated with 1-2 coats of a KEIM silicate finish.

KEIM Contact-Plus is not suitable for horizontal or floor surfaces.

PRODUCT PROPERTIES

Use to prime existing paints and coatings, glossy surfaces and those that are generally

difficult to paint. Prepares surface for subsequent coats of KEIM silicate finish.

- Moisture vapor permeable, will never peel due to hydrostatic pressure
- Penetrates masonry and existing coatings and chemically bonds—won't peel or lose adhesion
- Copolymer modification provides mechanical bond to previously painted surfaces (as outlined)
- Provides a uniform mineral surface for subsequent mineral topcoats and improves overall appearance
- Apply to a variety of mineral surfaces
- Noncombustible—won't add fuel or noxious smoke in case of fire
- Naturally mold, algae and fungus resistant—no pesticides used
- Available in smooth or sanded finish

Technical data

Density	1.6 g/cm ³
VOC (ASTM D6886)	< 1 g/liter
Organic Content	< 5%
Cured pH value	Approximately 11
Vapor Diffusion	sd (H ₂ O) = <0.01 m
Water Absorption Coefficient	W=0.20 kg/m ² h 0.5 (acc. to DIN EN 1504)
Vapor Permeability (ASTM E96)	77 Perms

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Flashpoint	Non-Flammable
Mildew Resistance ASTM D3273/D3274	Passes—No fungal growth
Gloss at 85° ISO 2813	0.5 Mineral Matte Flat
All test results performed on 1 coat of Contact Plus applied at 275—325 sf/gallon	

Environmental Compliance:

UL Greenguard Gold	YES
EPA	YES
LEED	YES
CARB	YES
SCAQMD	YES
Cradle to Cradle Certification	YES

Colors:

White Matte Flat

SPECIFICATIONS/SYSTEMS

Use as a primer system for all Keim Mineral Silicate paint systems including Mineral Masonry Paint, Granital, Soldalit and Concretal. The sanded finish is ideal to fill in hairline cracks or minor pits and voids.

SURFACE PREPARATION

The substrate must be sound, solid, dry, clean, and free of dust, grease, oils, salts, moss, algae, and other substances that would prevent penetration and bonding. Old, oil-based coatings, loose substrate layers and loose latex or acrylic layers must be removed. Repair damaged areas as needed before painting. Clean mineral surfaces as needed with KEIM Heavy Duty or Light Duty Cleaner or KEIM Bio Cleaner.

Soft, porous, or friable mineral surfaces, where substrate porosity is variable or aged existing mineral coats may be stabilized and consolidated by pretreatment with Spezial Fixative. Mix 1 part Fixative with 3 parts fresh water and apply to porous

surface to saturation. Allow surface to dry 12 hours before proceeding.

APPLICATION

Contact Plus may be applied by brush, roller, or airless spray.

- Brush - Use a nylon/polyester brush
- Roller - Use a ½" to ¾" nap synthetic roller cover
- Airless Spray
 - Pressure: 3000 psi, minimum
 - Tip: .035 in
 - Remove filters from gun and pump manifold, use 30 mesh filter on siphon tube only
 - Do not strain primer

Prime coat

Contact Plus may be diluted up to 10% with Soldalit Dilution depending on the substrate absorbency. Allow to dry 12 hours or overnight before recoating.

NOTE: For extreme weather conditions or critical, intensive color shades it is recommended to apply a three-coat system.

Application conditions

Ambient and substrate temperature: 40°F and rising and below 95°F. Do not apply in direct sunlight or on sun-heated substrates. Protect coated surfaces from direct sunlight, wind, and rain during and after application for a minimum of 12 hours.

Drying times

Drying times are temperature, humidity, and coverage dependent.

	@ 40-50°F	@ 50°F +
Touch:	4--6 hour	2--4 hours
Recoat:	24--48 hours	12 hours

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Coverage

SUBSTRATE	COVERAGE*
Cast or Pre-Cast Concrete	275—325 SF/GAL
Fiber Cement Siding	275—325 SF/GAL
Brick and Masonry	225—275 SF/GAL
CMU Block (smooth)	100--150 SF/GAL
CMU Block (split faced or fluted)	50—75 SF/GAL
Portland Stucco	150—200 SF/GAL

*Stated values are based on our experience with a smooth finish. Surface texture, porosity, application conditions and type of equipment used will all vary consumption. Only a test application under pro-duction conditions will forecast consumption of the system accurately.

Cleaning

Clean spills, spatters, hands, and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Tools should be kept in the paint material or in water during work breaks.

Mixing with other products

In order to maintain the specific features of Contact Plus and the related system products, they must not be mixed with other products or additives, nor must they be diluted with water.

PACKAGING

Gallon and 4 Gallon

STORAGE

Approx. 12 months in tightly closed container under cool, frost-free conditions. Protect from heat and direct sunlight.

DISPOSAL

Dispose of completely emptied containers in accordance with local, state, and

federal waste regulations. Any residues must be emptied out of containers before recycling.

HAZARDOUS SUBSTANCE CLASS

n/a

TRANSPORT HAZARD CLASS

n/a

SAFETY INSTRUCTIONS

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 aid in the selection of our products and do not establish a contractual relationship. 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.

