KEIM interior coatings

since1878

the professional decorator choice for front offices and upscale living spaces

KEIM Optil

recommended for all interior mineral and masonry substrates.

MasterFormat™ Division 09 - Finishes
Section 09 90 00 Painting and Coating
(See Back Cover for complete division listings)

Nothing compares to KEIM's natural composition and chemical binding strength for interior protection.

Design professionals trust KEIM mineral coatings to endure for decades.

From modern contemporary to old world appeal, this is the spectrum of KEIM.

abrasion resistance and soiling

Optil has very good abrasion resistance according to testing standard EN ISO 11998 with good soil release (DIN 53778). Optil may be cleaned with gentle detergents and water.

resistant to mold, mildew and algae growth

The micro-porous structure of Optil's coating readily absorbs and releases water vapor, a natural breathing process that maintains a healthy indoor environment without fungal cultivation.

recoating

Walls and ceilings coated with KEIM Optil may be recoated with any coating material without special preparation or stripping requirements.

standard colors

Choose from hundreds of KEIM's mineral matte colors including the exciting ADVANTGARDE palette, which includes brilliant silver and g old mineral tints. Custom colors are also available.

KEIM Optil is made of waterglass (silica sol) and tinted with natural mineral pigments.

It is a premium vapor permeable mineral coating for healthy, beautiful interiors.

light, color and shadow

Design possibilities go beyond the threshold. Create spaces that appeal to the senses, from stunning visuals emanating power and strength to velvety quiet elegance soothing the soul within. Passion is the essence of Optil.

clean, healthy indoor air

Optil's natural chemistry leaves nothing behind but lasting beauty. Optil has no odor or chemical residues. Spaces may be occupied immediately after application.

fire safety

Optil's mineral coating will not burn, smoke or produce poisonous gases allowing an extra measure of safety for occupants. KEIM Optil is completely safe.

environmental safety

Natural ingredients are the unique quality of KEIM Optil mineral coating. The green quality of Optil extends to the environmentally-friendly production of our products in accordance with ISO 14001:1996.

KEIM decor system

KEIM Optil coating products

KEIM Optil

Ready-to-use silica sol interior coating. Designer coating excellent for high-end front offices and upscale living areas. KEIM Optil is highly vapor permeable so wall systems may breathe unrestricted for healthier indoor environments. Apply 2 coats of Optil, diluted with clean water as needed. Dries to a flat matte finish. Low VOC (less than 30 g/l tinted).

KEIM Soliprim Primer

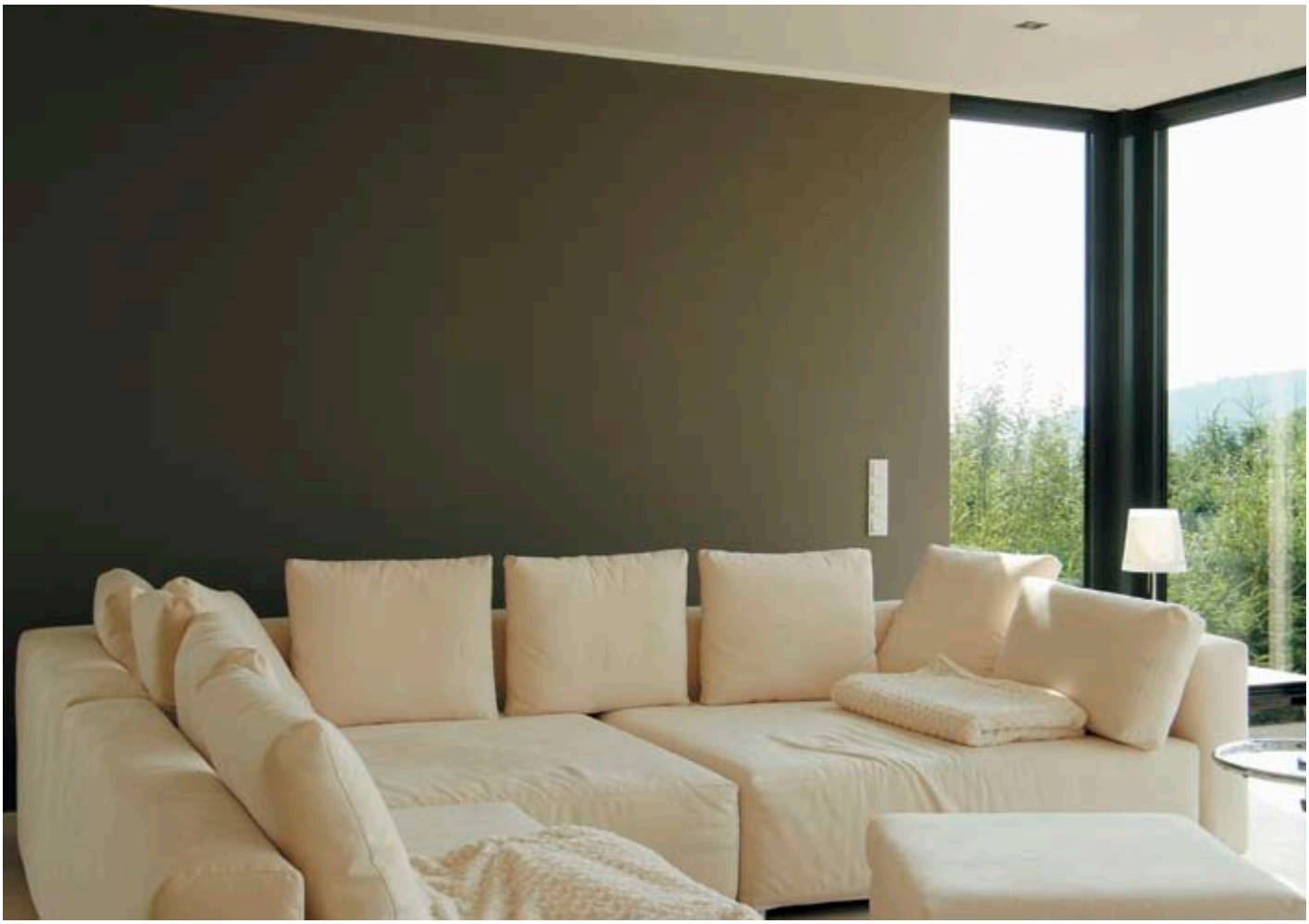
Special primer for interior use based on a binder combination of hydrosol and silica sol. KEIM Soliprim Primer may be used to equalize differing levels of absorbency of mineral and organic substrates, sound existing coatings or mixed substrates. May be used to consolidate chalking or sanding substrates. Mostly used to equalize differing levels of substrate absorbency under difficult lighting conditions for a uniform top coat appearance. Very low VOC (less than 1 g/l).

KEIM Stain Blocker

Water based highly-pigmented white coating with excellent vapor permeability. Will block water marks, mold, mildew, even petroleum-based stains. Low VOC (less than 22 g/l).

KEIM Dolomit Spachtel

A ready-to-use mineral-based interior white marble plaster. Excellent for all purpose plastering and as bedding joint compound. Using finely ground white Dolomit marble (grain size from zero to 0.3mm), smooth micro-edge feathering of joints, repairs or surface equalization is possible. Compatible with all KEIM coatings. Low VOC (less than 30 g/l).



KEIM preparation and renovation products

KEIM Lime Remover

For use on new render (stucco) to remove sinter layers or for cleaning dirty areas of old render. KEIM Lime Remover is completely neutralized when correctly used. No VOC.

KEIM Bio Stripper

A paint stripper for removing elastomeric latex, acrylic, or resin film-forming coatings. Water-emulsive mixture of solvents, free of fluorinated, chlorinated, and aromatic hydrocarbons. Biodegradable.

KEIM Universal-putz Standard Render

A cementitious renovation and thin wall render made of hydraulic lime and white cement binder with quartz sand (0-1.3mm grains) and mineral fiber fillers. KEIM Universalputz Render accommodates thermal expansion cycles preventing surface crazing and cracking. The white surface may be finished from rough-hewn to coarsely smooth with infinite texturing possibilities. No VOC.

KEIM Universal-putz Fine Render

Same as Universalputz Standard except the quartz sand grains are between 0 to 0.6mm in size. Surface may be finished from sandy to smooth, closely resembling the appearance of white lime plaster. No VOC.

KEIM Fiber Mesh

A glass fiber lattice mat for reinforcing rendered surfaces. Embed into KEIM renders when applying on CMU or similar block, brick or existing render/ stucco/adobe. No VOC.

KEIM Contact Plus

A silicate-based primer/bridging coating containing sand (0-0.5mm grains) and mineral fiber fillers. Use decoratively for a textured surface under the Optil or may be used to fill hairline cracks up to 0.5mm or equalization and renovation of surfaces for a uniform appearance. Opaque white. Very low VOC (less than 1 g/l).

KEIM Sealer

Polyurethane-based, solvent free, indoor-outdoor UV resistant transparent sealer. Dries flat matte, one shade darker than underlying color. Uniquely 100% waterproof yet vapor permeable. Apply as wear layer on horizontal surfaces to prevent water intrusion. Due to slippery nature when wet, most soils wash away with rain. KEIM Sealer is an effective waterproof coating protection and soil barrier. Very low VOC (less than 9 g/l).

Need more information

Email us at:
keim-info@keim.com

Download product spec sheet PDF files at:
www.keim.com

Call us at:
866-906-5346 (In USA)
704-588-4811 (Outside USA)

how to apply KEIM Optil

Optil is an environmentally friendly vapor permeable coating that meets the architectural demands for powerful, strong color shades previously unavailable in mineral coatings. For the needs of the chemically sensitive, Optil is a truly green coating produced from minerals (quartz, potash and water) leaving no odors or chemical residues.

Optil may be applied onto any mineral substrate (like gypsum board, plasters, renders, fiberglass-faced or paperless gypsum panels and magnesium oxide MGO board). It is a compatible coating for any interior substrate and may be applied over existing emulsion paint layers.

Apply by brush, roller or professional spray equipment keeping a wet edge from corner to corner. Clean up with water. Areas may be occupied immediately after application.

See technical data sheets for comprehensive application information.

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member

U.S. Green Building Council Member

The Construction Specifications Institute

Association for Preservation Technology

National Trust for Historic Preservation

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KEIM is ISO 9001:2000 certified for applying a Quality Management System.

the original silicate coating since 1878

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