



CONCRETAL[®] PRO

MINERAL SILICATE FINISH FOR CONCRETE



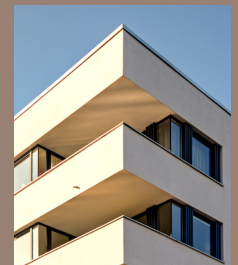
CONCRETAL[®] PRO is a ready-to-apply potassium silicate based coating for exterior and interior concrete surfaces. It penetrates and forms permanent chemical bonds within concrete and is a very breathable finish. Concretal Pro is water repellent and contains lightfast and inorganic mineral pigments and fillers so it will never fade or lose color intensity. It is highly alkali and efflorescence resistant and can be applied to concrete surfaces with a pH of 6—13. Concretal Pro will outlast conventional acrylic paints and elastomeric finishes by decades and is extremely economical over its lifecycle.



CONCRETAL[®] PRO has a tenacious affinity for concrete – being made of mostly the same ingredients. And the mineral – matte finish never looks “painted” or artificial, leaving the concrete’s natural appearance intact.

PRODUCT FEATURES

- Penetrates and fuses with concrete—finish will never peel or lose adhesion
- Water repellent—passes ASTM testing for wind-driven rain
- Mineral finish is extremely vapor permeable—concrete “breathes” and stays drier
- Absolutely lightfast pigments combine with U.V. stable binder—colors won’t fade or lose brilliance
- Very eco friendly—extremely low VOC and no added pesticides or solvents
- Completely noncombustible—mineral finishes won’t burn, add fuel or noxious smoke in case of fire
- Mineral surface radiates sunlight—surfaces stay cooler
- Natural alkaline pH and fast drying nature hinders mold, algae and fungal growth without added pesticides
- Does not develop a static charge—surfaces won’t attract dirt and washes clean with rainfall
- Two-coat system on new concrete—no primer needed
- Concretal Pro is born of the same raw materials as concrete—mineral matte finish looks completely natural and never “painted”
- Can be applied on fresh or “hot” concrete—tolerates pH up to 13
- Available in three textures—textures from quartz additives that become part of the mineral surface and won’t come out of the dried finish



DURABILITY + BEAUTY

CONCRETAL® PRO DELIVERS PERFORMANCE AND ECONOMY

CONCRETAL® PRO's longer life eclipses conventional acrylic paints or elastomeric coatings

CONCRETAL® PRO is particularly economical to use as only two coats are needed on new concrete surfaces. And, over the lifespan of CONCRETAL® PRO lifecycle costs are much lower than ordinary latex or elastomeric finishes and repainting is easy with very little surface preparation required.

PERFORMANCE CHARACTERISTICS

Wind Driven Rain ASTM E 514	No water leaked through
Water Vapor Permeability ASTM E 96	83 Perms - extremely permeable
ASTM G 154 Alkali Resistance	No visible change @ 24 hours
ASTM G3273 Fungal Resistance	Rating 10 Best in class with no fungal growth
ASTM G 154 Accelerated Weathering	No change after 2016 hours
Chloride Ion Permeability	"Very Low" permeability class
Gloss at 85°	2.0 Mineral Matte Flat
Flashpoint	Non-Flammable
Color Stability Color code acc. To BFS Tech. no 26	A1 Best in class rating no color change after 4 years
Thermal Expansion	Comparable to the concrete substrate
VOC	<1 g/liter

All test results performed on 2 coats Concretal® Pro applied at 300-350 SF/GAL and 14 day cure @77°F & 50% RH



NATURAL FINISH + TEXTURE

CONCRETAL® PRO is available with several texture profiles, designed to meet any aesthetic demand. From a velvety smooth texture to a dramatic coarse texture, Concretal Pro provides you with an array of choices in both color and texture. Best of all, the texture of Concretal Pro is completely integrated within the sol-silicate mineral finish, ensuring long term durability. Use of quartz and glass fiber ensures texture will never wear away prematurely.



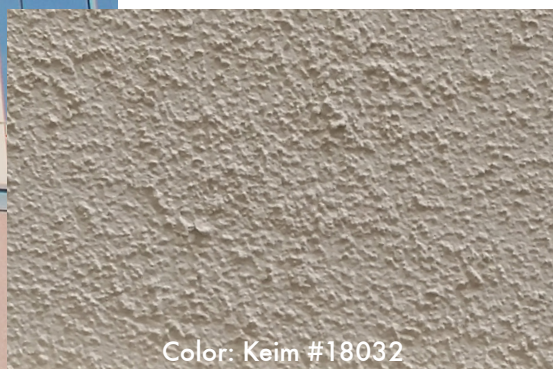
Color: Keim #18032

Smooth texture provides a velvety appearance to concrete without adding texture to the original concrete surface. This texture fills in the least, with minimal change to the original surface character.



Color: Keim #18032

Sand texture imparts a balanced grain and roughness to help disguise surface imperfections while delivering a pleasant overall appearance. Surface texture details are not compromised with sand texture. Maximum grain size is 0.5mm.



Color: Keim #18032

Coarse texture provides the largest grained texture designed to enhance surface appearance with a uniform consistency. Larger grain size fills in small voids, pits and surface cracks of 1/16" or less. Maximum grain size is 1mm.

STUNNING MINERAL COLORS

CONCRETAL® PRO offers a wide selection of beautiful mineral colors that are extremely natural in appearance. Derived from the same raw materials as concrete itself, Keim colors never look “artificial” and deliver a gorgeous mineral “matte” finish that will never glare or shine. Concrete looks completely natural and pure.

Here are samples of our most popular concrete colors. Many other options are available at keim.com/colors and custom color matches are always available.



NOTE: Deep, dark and vivid colors are not available in Concretal Pro, but are available in Concretal W Sol-Silicate High Performance