

K A U F M A N

PRODUCT
INFORMATION

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SilaneSeal

Description

SilaneSeal is a two-in-one product that is both a curing aid and a penetrating sealer. The acrylic-siloxane blend penetrates into the surface and creates a denser, harder and more dustproof surface. SilaneSeal then dries to a clear, tough and protective finish that may be used on a variety of indoor and outdoor surfaces.

Uses

SilaneSeal provides a clear, natural-appearance on both decorative and traditional concrete, whether broom finished or hard-troweled, while providing basic protection from the elements. SilaneSeal also works well on exposed-aggregate concrete, terrazzo, stone, and unglazed tile.

Typical Properties

Color	Clear
Flash Point (ASTM D-93)	N/A
pH (ASTM E-70)	8.5-9.5
Viscosity (ASTM D-4016)	>100 cps.
Shelf Life	1 year, minimum
Dry Times	1-2 hours 12 hours (foot traffic) 48 hours (vehicular traffic)
Specific Gravity (ASTM D-1429)	1.01 g/ml
Percent Solids (ASTM D-1353)	minimum 8%
Breathable (ASTM D-1653)	Yes
Paintable (ASTM D-3359)	Yes
UV Resistance (QUV 1,000 hours)	Excellent

All values approximate - will vary with temperature and humidity.

Packaging/Yield

55 gallon drum (208 liters)
5 gallon pail (18.9 liters)
1 gallon can (4/case) (3.78 liters)

VOC

163 grams/liter

Coverage

Brick	200-300 ft ² /gl.
Concrete (Broom Finish)	100-200 ft ² /gl.
Concrete (Steel Trowel)	200-400 ft ² /gl.
Exposed Aggregate	100-200 ft ² /gl.
Terrazzo or Stone	400-500 ft ² /gl.
Unglazed Tile	200-300 ft ² /gl.

Directions Surface Preparation

Concrete - Surfaces must be clean, dry, sound and free of oil, wax, curing compound, laitance, efflorescence and other foreign matter. Caulking or other sealants should be placed prior to use of SilaneSeal. The air and surface temperature must be a minimum of 50°F and rising. In extremely hot and dry weather a light misting of potable water is suggested. This water spray will help to cool off the substrate, which will prevent SilaneSeal from flash drying before penetrating entirely. If acid is used for cleaning purposes it must be *completely* removed prior to application of SilaneSeal, or else the surface will dry to a milky-white color. Apply a test application of SilaneSeal to ensure that good preparation has been achieved.

Application

The listed coverage rates are approximations, and should be used solely for estimating purposes. Many jobsite conditions require additional applications, and therefore a test application is always recommended to determine the proper application rate and number of coats required for maximum sealing performance. In most cases, two applications are preferred.

Lightly agitate SilaneSeal prior to use. Low-pressure sprayer, airless sprayer, brush, or roller may be used to apply SilaneSeal. Brush, roll out, or wipe off any puddles that remain on the surface 10-15 minutes after application. SilaneSeal is milky white in appearance, but will dry to a clear color after about 30-60 minutes.

Precautions

Store this product between 40-90°F. SilaneSeal is designed exclusively for above-grade use only, and should never be exposed to hydrostatic pressure. Do not apply to SilaneSeal to previously densified or hardened concrete, as it will not penetrate effectively. Never add colored hardeners or release agents to SilaneSeal. Not recommended for areas subjected to chemical exposure such as oil or grease. Read Material Safety Data before using.

Technical Information

The following results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

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