

DESCRIPTION

Super-Krete® Glo-Kote™ is a thin-set overlayment system formulated to provide a light-reflected walking or decorative finish at 1/8" thickness over any cement-based substrate. Glo-Kote is a blend of non-radioactive photoluminescent aggregate and a propriety formulation designed for concrete repair, resurfacing and for use as a grout. This glow-in-the-dark overlay system is formulated to absorb ultra violet rays from the sun during daylight hours and casts a reflective glow during night time hours. Two hours of direct sunlight exposure typically yields reflection for 8 to 12 hours.

USES

Glo-Kote is a versatile, easy-to-use material with a variety of uses in commercial, residential, and industrial applications. Glo-Kote can be applied by squeegee, broom, trowel or screed rake to create a multitude of textures and finishes.

Stairs	Anti-skid
Emergency Exits and Entrances	Countertops
Driveways / Sidewalks / Curbs	Parking Decks
Decorative Overlays	Recreational Surfaces
Unique Design Element	Landscaping Projects
Heat Reflection	Outdoor Entertainment Areas
Pedestrian and Vehicle Traffic Directives	Bars / Restaurants
Pool Decks	Patios / Pathways
Anywhere light reflection at night is desired for safety or a glow-in-the-dark effect is desired!	



ADVANTAGES

Glo-Kote is extremely versatile for any concrete resurfacing project where a renewable ambient light source is needed or desired.

Glow for up to 12 hours	Renewable light source
Environmentally friendly and safe	Highly versatile
Non-toxic / Non-reactive	Water resistant
Ready-mix formula –just add water!	Salt treatment resistant
Superior bonding capabilities	Fire resistant
Extreme climate resistance	Non-reemulsifiable
Concrete repair and resurfacing abilities	Easily applied
Earn LEED credits EA1	Non-slip surface

AVAILABILITY

Due to the special ingredients in this material, lead times may be extended. Please call for availability before beginning your project.

SURFACE PREPARATION

Surfaces that are to be repaired or coated must be structurally sound. Surface damage such as surface deterioration, cracks and spalls can typically be repaired. However, structural integrity is critical to the overall success of any coating or overlay. Remove any loose, soft or contaminated materials from the area that is to be repaired or resurfaced. Any existing coatings, sealers, curing agents, bond-breakers, etc. must be removed from the surface providing direct contact with the original substrate to assure adhesion. Typical preparation methods may include scraping, water blasting, sand blasting, shot blasting, cleaning and degreasing. **Note: All expansion joints must be honored.** Clean, repair and honor all control joints and expansion joints during entire application process, or mark them for honoring after application. Clean and treat all cracks and spalls in accordance with manufacturer's specifications.

Super-Krete International, Inc. recommends that all Super-Krete applications over concrete first be treated with Pene-Krete®. Always refer to Super-Krete Specification S-1 for surface testing, cleaning, preparation and porosity requirements prior to applying Glo-Kote to any concrete surface. Refer to Super-Krete Spec. No. S-1000 and S-10000 for detailed installation guidelines and requirements.

Important: Glo-Kote is designed to penetrate the surface for a permanent bond. Any sealers or coatings which will interfere with this penetration must be removed. The surface shall be cleaned thoroughly of all contamination by scrubbing the surface with Super-Krete Heavy Duty Degreaser™. Spray Heavy Duty Degreaser over the entire surface and allow it to dwell on the surface for approximately 15-30 minutes then, completely rinse with clean water two times. Allow the surface to dry another 24 hours before applying other coatings or sealers. Extremely oily surfaces can be pre-heated with a propane torch to bring the oil to the surface, followed by degreasing and water blasting. Repeat this process until the surface is free of oily substances.

MIXING AND APPLICATION

Mix Glo-Kote with clean water. A plaster-like consistency is recommended. The appropriate amount of water is necessary for Glo-Kote to maintain the desired thickness. Do not over-dilute Glo-Kote with water. Lightly mist the surface with clean water and apply Glo-Kote mixture at a minimum 1/8" thickness using a standard cement trowel. Squeegees are recommended when applying large amounts at one time, but multiple applications will be required to obtain a minimum 1/8" thickness. For best results first apply (1) application of (white) Bond-Kote®.

Glo-Kote must be applied in areas where there will be direct or indirect sunlight. The energizing of the glow is maximized by direct sunlight. Access to direct sunlight will yield a longer lasting and brighter glow. Glo-Kote will reach its maximum charge rate from its light source in 20 minutes (a light subsurface will increase the glowing effect).

CURING TIME AND SEALING

Allow Glo-Kote to cure a minimum of 24 hours in direct sunlight before sealing. Super-Krete recommends sealing all Glo-Kote surfaces for wear and ease of maintenance. To determine the most appropriate sealer for your project, refer to **Super-Krete Specification No. S-2 Selecting the Right Sealer**.

GENERAL INFORMATION

Glo-Kote is ready-mixed and only requires the addition of water when mixing. Glo-Kote requires no primer, bonding agents or cementitious underlayments to ensure a bond. Glo-Kote cannot be removed from the concrete substrate once cured, without removing the substrate that it is attached to. Glo-Kote is a high strength product that is very resilient and durable.

Coverage Rates

2.5 SqFt at 1/4" (0.5 SqFt per pound)

5 SqFt at 1/8" (1 SqFt per pound)

**Coverage rates will vary, these are approximations only, actual coverage will vary due to substrate conditions, weather, surface porosity and method of application.*

Shelf Life 5 Years when properly stored.
Unopened and sealed

Storage Store in a cool, dry place. Keep from moisture.

Packaging 5 lb. pail
**(For volume purchasing, please call for pricing)*

Appearance White / Yellow in dry,
powdered form

Cure Time 24 hours

Odor None

Specific Gravity 3.15

**Percent Volatiles
by Volume** 0

Tools Required

3 gal. water sprayers
1/2" drill with mixing paddle attachment
5 gallon pails or 55 gallon drum
Trowel(s)

CAUTION

Keep away from children. Do not take internally. Always use safety gloves, appropriate eye protection, and appropriate OSHA/NIOSH approved respirator in areas with poor ventilation and when exposed to spray mist both indoors and outdoors. If ingested, seek medical attention immediately.

LIMITATIONS

Do not apply to calcium chloride treated concrete substrates. Super-Krete products are to be applied only when surface temperatures are above 55° F and rising and not to exceed 100° F. Super-Krete products are not to be applied when precipitation is expected within 24 hours following completion of application. Do not allow materials to freeze. Each Super-Krete product acts as an inherent part of a proven system. Super-Krete products are professional, contractor grade products. Training in the use of these products is available. Consult Super-Krete for information and assistance locating approved contractors in your area or for training class dates.

NOTE: Super-Krete International, Inc. believes this information to be true to the best of our knowledge and products are of the highest quality and uniform within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied is made as to the effect of such use and no liability is assumed directly or indirectly, from their use. Buyers and users are encouraged to conduct their own test prior to application.

WARRANTY

Super-Krete products are warranted only when applied by Super-Krete Certified Applicators in accordance with Super-Krete specifications. No warranty applies to products applied over concrete substrates with moisture vapor transmissions exceeding (3 lbs.)/(1,000 sf) of surface area. Super-Krete provides a 5 year warranty when products are applied by Certified applicators. To apply for warranty, refer to the Super-Krete Limited Warranty and form filing at www.super-krete.com.