

CHA3000 - CHAMELEON

DESCRIPTION

Chameleon is a glow-in-the-dark thin-set overlayment formulated to provide a light-reflected walking or decorative finish at 1/8" thickness over any cement-based substrate. Chameleon is a blend of non-radioactive photoluminescent aggregate polymers and designed concrete safety and decorative designs or overlays. 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

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

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| Stairs | Safety |
| Anti-skid | Pool Decks |
| Emergency Exits and Entrances | Countertops |
| Driveways / Sidewalks / Curbs | Parking Decks |
| Decorative Overlays | Recreational Surfaces |
| Unique Design Element | Landscaping Projects |
| Heat Reflection and Absorption | Outdoor Entertainment Areas |
| Pedestrian and Vehicle Traffic Directives | Bars / Restaurants |
| Patios / Pathway | |

Anywhere light reflection at night is desired for safety or a glow-in-the-dark effect is desired!

ADVANTAGES

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

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| Glows 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 & 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, bondbreakers, 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.

Important: Chameleon 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 Degreaser . Spray 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. 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.

ROSSCO Inc. recommends that all applications over concrete first be treated.

Always refer to and perform instructions of Specification for surface testing, cleaning, preparation and porosity requirements prior to applying Chameleon to any concrete surface.

MIXING AND APPLICATION

Add clean water to Chameleon to achieve a plaster-like consistency. The appropriate amount of water is necessary for Chameleon to maintain the desired thickness. Do not over-dilute Chameleon with water. Lightly mist the surface with clean water and apply Chameleon mixture at a minimum 1/8" thickness using a cement trowel, screed rake or squeegee. 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) finish as a base coat and allow to thoroughly dry.

Chameleon 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. Chameleon will reach its maximum charge rate from its light source in 2 hours (a light subsurface will increase the glowing effect).

CURING TIME AND SEALING

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

GENERAL INFORMATION

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

Coverage Rates

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

* Coverage rates will vary, this is an approximation 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 / 50 lb. pail

*(For volume purchasing, please call for pricing)

Appearance White 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 / 55 gallon drum / Plaster mixer

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. Products are not to be applied when precipitation is expected before coating surface has fully cured. Do not allow materials to freeze.

WARRANTY

ROSSCO Inc. products are warranted only when applied by ROSSCO Inc. Certified Applicators in accordance with ROSSCO Inc. specifications. No warranty applies to products applied over concrete substrates with moisture vapor transmissions exceeding (3 lbs.)/(1,000 sf) of surface area. ROSSCO Inc. provides a 5 year warranty when products are applied by Certified applicators.