



COOLGUARD™ CG-3710

Int/Ext Flat Insulating Coating

Description:

COOLGUARD™ is a high build, high performance, insulating, elastomeric, sealer coating. Based on a new revolutionary combination developed as *thermaguard technology**. It is designed with a small-sized particle latex that performs a great primer + elastomeric + coating + insulation coat, four benefits that provide a long lasting protective finish, with insulation capabilities to be used in a wide range of interior and exterior surfaces.

**Thermaguard technology*. consists of microspheres insulation shells that dramatically increases its volume as heat increases to the surface and prevents heat from being absorbed by the surface.

Meets Requirements for:

MPI:	N/A
Green Performance 1:	N/A
Green Performance 2:	N/A
VOC Compliant (<50 g/L):	Yes
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- Primer + Coating + Elastomeric + Insulation
- Low V.O.C., volatile organic compound, and low odor
- Mold and UV, ultraviolet rays, resistant
- Heavy metal and lead free
- Excellent adhesion
- Seal and bridge cracks
- Excellent alkaline and efflorescent resistance
- Decrease heat from surface
- Excellent coverage and color retention

Performance:

Water Resistant: ASTM D 1735	>300Hrs.
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Uses:

COOLGUARD™ is ideal for interior and exterior areas where a high build elastomeric coating and insulation is needed. Excellent to use in public buildings where a durable and strong coating is needed. May be applied with brush, roller or sprayer. For industrial, commercial and residential use on new or previously painted masonry, stucco, brick, concrete and properly prepared wood and metal.

Technical Data:

Product Type:	100% Acrylic
Finish:	Flat (1° - 3°) *Geometry 60°
Solids (%):	57 ± 1% by weight 48 ± 1% by volume
Weight/Gallon:	9.98 ± 0.05 lbs. (4.53 ± 0.02 kg.)
Colors:	White and tinting bases
Drying Time:	To touch: 30 - 60 min. To recoat: 2 - 4 hrs.
Coverage As:	
Paint:	400-450 ft. ² /gal. (37-41 m ² /gal.) @ 1.9 dry mils, 4 wet mils
Insulating coating:	100-125 ft. ² /gal. (9-11 m ² /gal.) @ 7 dry mils, 16 wet mils
Sizes:	5 gallons 1 gallon
Thinning:	Is not recommended.
Flash Point:	Non-flammable
Viscosity:	102- 110 KU's
Percent Pigment by Weight:	36 ± 2%
VOC:	<50 g/L

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

S.D.S.: Available upon request.

Surface Preparation:

All surfaces must be dry, clean, sound and free of contaminants such as dirt, grease, chalk, mildew, oil, rust, concrete curing agents, laitance, efflorescence, loose or badly cracked paint. Remove all contaminants by washing surfaces with an appropriate cleanser, sanding, scrapping and/or using a pressure washing machine. Prime if required, as per recommended specifications of this product for surfaces like: concrete, plasters, gypsum wallboard, drywall, wood, plywood, steel, aluminum, galvanized steel, other composition materials or vinyl siding, with the recommended Lanco® primer or primer/sealer, following application instructions. Glossy surfaces should be lightly sanded and primed prior to new paint application. Cracks and holes have to be clean and dry, with a putty knife apply Lanco® Siliconizer™ Crack Filler, into crack and 2 inches to both sides, patch all holes with Lanco® Spackling Compound. Let dry thoroughly 24 hours.

Recommended Paint Systems:

Concrete walls as insulating coating:

A total dry film thickness of 15-20 mils of COOLGUARD™ as an insulating coating.

First coat:	100 ft. ² /gal. 7.7 dry mils, 16.0 wet mils
Second coat:	125 ft. ² /gal. 6.2 dry mils, 12.8 wet mils

Concrete walls as paint:

A total dry film thickness of 3.0-3.8 mils of COOLGUARD™ as a paint:

First coat:	400 ft. ² /gal. 1.9 dry mils, 4.0 wet mils
Second coat:	400 ft. ² /gal. 1.9 dry mils, 4.0 wet mils

Actual coverage may vary depending on surface and application method. When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the top coat color.

Surface Application Recommendations:

Mildewed surfaces: This paint contains agents to inhibit the mildew growth on the dried paint film itself. Any existing mildew on the surface must be completely killed and removed prior to the application of primer or paint. Any mildew not removed may continue to grow through the new finish. Using a long-handled brush, scrub mildewed surfaces with a mixture of one part of household bleach and three parts of warm water. Rinse completely and let dry.

Concrete surfaces: Mortar plaster, stucco and concrete block must be cured and hard. Remove any surface contaminant, form release and curing agents or efflorescence, surface must have a safe pH level under 9 prior to the application of paint or primer.

Efflorescence: Is a white powdery, crystal-like deposit that is visible on masonry surfaces. It must be removed using a solution of one part of muriatic acid and three parts of water. Use long handled brush. Rinse completely.

Caution: Read cleaning solution warnings on label prior to use. Use protective rubber gloves, safety goggles and protective clothing.

Test pH levels: Levels of pH should be under 9 prior to the application of any paint or primer. If pH levels are above 9 but below 13, apply Lanco® 100% Acrylic Roof & Wall Primer/Sealer AS-210 as per instructions, prior to the application of additional primers and/or finish coats. For a pigmented primer for pH levels below 13, apply Lanco® Maxima HP Primer MA-3305 or Lanco® Stain Killer Primer WP-039.

Plaster and wallboard surfaces: Plaster nibs should be scraped and sanded smooth. Tape and spackled joints, nail heads and cracks filled with Lanco® Spackling Compound SC-101 or Lanco® Patching Plaster™ PP-223, let dry two hours before painting. No paint or sealer should be applied on plaster when the moisture content exceeds 8%, as determined by a reliable electronic moisture meter. Use Lanco® Maxima™ Primer MA-3307 / 3306 or Lanco® Prepare™ Primer WP-2520.

Wood and plywood: Sand rough areas and prime properly prepared surface with Lanco® Stain Killer™ Primer WP-039. Maximum acceptable moisture content prior to coating new wood should be under 16%.

Previously painted surfaces: Prime properly prepared concrete, wood, plywood, composition materials and vinyl siding with Lanco® Maxima™ HP Primer MA-3305 / 3306 or Lanco® Stain Killer™ WP-039. Use 100% Acrylic Roof & Wall Primer/Sealer AS-210 on chalky surfaces following label instructions. Glossy surfaces should be lightly sanded and primed prior to new paint application.

Method of Application:

Stir thoroughly before using. Paint always on shaded side of the building. Do not dilute paint, use as supplied. Do not apply when surface or air temperature is below 50 °F (10 °C) or if rain is expected within 5 hours. Apply product with brush, roller or sprayer. Apply generously with a full brush or roller and avoid excessive brushing or spreading too thinly. Typical standard practice recommends intermixing when working with more than one container of the same color, to ensure color consistency.

Mixing and thinning: Mix always thoroughly before application. Thinning is not recommended, if necessary use only 8oz. of water per gallon of this product.

Brush: Use a good quality nylon PA-1982 or polyester brush PA-1999.

Roller: Use a Lanco® All-Purpose 3/8" Nap Roller PA-566. Apply generously, but avoid excessive brushing or reworking of painted areas, do not apply or spread too thinly.

Spray: Spray equipment should be capable of maintaining a pressure of 700-1000 psi with a tip of 0.015 to 0.019. Spray and back roll on rough or porous surface to achieve required film build. Apply two coats with overnight drying time between coats, is recommended, to minimize pinholes on the surface. See equipment's manufacturer recommendation.

Precaution: Do not add mineral spirits or other solvents to this product. Do not apply when air or surface temperature is below 50 °F (10 °C). Apply liberally, but do not overspread. Stop painting at least two hours before you expect dew to form or the temperature to fall below 50 °F (10 °C).

Important: It is important that you apply one coat of primer and two full coats of paint to achieve the warranty protection.

Limited warranty: The manufacturers liability in connection with the sale of this product extend only to the replacement price if it should fail to comply with quality standards or specifications.

Caution: Harmful if swallowed. Contains acrylic resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, do not induce vomiting. Consult a physician immediately. Use only with adequate ventilation. Adequate ventilation required when sanding or abrading the dried film. Always use (NIOSH/MSHA TC21C or equivalent.) Goggles are recommended while handling the product. This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Keep out of reach of children.

Warning! If you scrape, sand, or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. For chemical emergency call ChemTrec 1-800-424-9300. Protect from freezing.

