

## Child Guard

### Interior/Exterior Lead Encapsulant Coating

#### Product Description

5600-White

Child Guard is a thermoplastic elastomeric, water-based, copolymer blended specifically to form a durable yet flexible barrier between lead-based paint and the environment. Child Guard is a high-solids coating formulated to offer unparalleled coverage, economics and paint-like aesthetics while preserving historic and architectural detail. Child Guard contains Bitrex®, a very bitter-tasting anti-ingestant to discourage oral contact with lead paint. Do not use Child Guard on friction surfaces or movable closures such as door jambs and window jambs. Do not dilute or thin Child Guard. Some states require a surface assessment by a licensed lead inspector before application. Contact your state Department of Health, or Fiberlock for more information.

#### Application Information

##### PREPARATORY WORK

Warning! If you scrape, sand, or remove old paint from any surface, 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. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and you family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

Before using Child Guard, it is important to determine if the existing paint system is stable and well-adhered.

This is done by performing an adhesion tape test on the surface to be coated. Perform this test at least once on each different type of surface to be coated. Clean a small area, rinse with clean water, and allow to dry. Apply a 6-10" strip of pressure-sensitive tape. Press the tape down with the rubber end of a pencil. After 90 seconds, remove (do not yank), the tape by pulling smoothly and slowly away from the surface. Seal any marks or defects that might bleed through the encapsulant with an appropriate primer. Remove mildew from surfaces by scrubbing with a fungicide. Rinse with clean water and allow surface to dry.

CONCRETE AND MASONRY: Remove dirt, chalk, loose mortar scale, salt alkalis, oil and grease with lead specific detergent. Rinse well and allow surface to dry. Apply masonry conditioner to prevent future chalking.

PLASTER, GYPSUM WALLBOARD: Fill all surface defects, wet sand smooth and spot prime with stain blocking primer. Glossy

surfaces must be wet sanded or otherwise de-glossed prior to application of the encapsulant.

FERROUS METAL: Remove rust and scale by wire brushing. Remove dust, dirt, oil and grease with a lead-specific detergent. When dry, immediately apply a rust-inhibiting direct-to-metal primer to prevent flash rusting.

GALVINIZED METAL: Remove dust, dirt, oil and grease with a lead-specific detergent. For areas where the galvanization has been damaged, apply a rust-inhibiting direct-to-metal primer to prevent flash rusting.

ALUMINUM: Remove dust, dirt, oil and grease with a lead-specific detergent. Etch the surface using an etching type metal prep, or apply a tie-coat once the aluminum surface is clean and dry.

##### DRYING TIME @ 70°F 50% R.H.

To touch: 1-2 hours  
Additional coats/topcoat: 8-16 hours

##### MIXING

Mix Child Guard thoroughly prior to application. If more than one square inch of paint is removed along with the tape, the adhesion of the existing paint system is poor. When this occurs, additional preparation (i.e., wet sanding, scraping, cleaning, etc.) must be done to remove poorly adhered paint. If less than one square inch of paint is removed from the substrate, the surface is sound and can be encapsulated.

##### APPLICATION METHODS

Apply Child Guard only after the existing paint system has been rendered clean, dry, sound and dull. Child Guard can be applied

#### Properties

##### Product Specifications

Solids by Weight ± 2%:	59.0%
Solids by Volume ± 2%:	45.0%
Viscosity at 70°F:	95-120 Kreb Units
Specular Gloss:	5.5° ± 1 @ 60°
Flash Point:	Non-combustible
Shelf Life:	24 Months Min. (Original Sealed Containers)
Calculated VOC:	88 grams/liter

Child Guard complies with the requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.

##### Coverage

Smooth Surfaces:	120 ft²/gal
Porous Surfaces:	80-120 ft²/gal

##### Drying Times (@ 70-77°F, 50% R.H.)

To Touch:	1-2 hours
To Recoat:	8-16 hours
Min. Application Temperature:	50° (10°C)

##### Available Package Sizes

5 gallon containers	
Weight Per Gallon ± 0.5 lbs:	11.24 lbs/gal

##### Product Testing

Meets Standard:	ASTM E-1795
Certified For Use:	All 50 States



## Application Information

using a brush or roller. Two applications by brush/roller are typically sufficient to achieve the required minimum dry film thickness of 7 mils on interior or exterior surfaces.

### **CLEAN UP**

Clean up tools and drippings with warm, soapy water before Child Guard dries.

### **PRECAUTIONS**

Child Guard must be applied when the atmosphere and surface temperatures during application and for 12 hours thereafter are above 38°F. When applying with a sprayer, wear a NIOSH approved respirator with any R, P, N or HE filter. Protect from freezing. Keep container tightly sealed when not in use. Store in a dry place at temperatures between 40°F (4.5°C) and 90°F (32°C).

### **WARRANTY**

Fiberlock Technologies, Inc., warrants Child Guard for a maximum of 20 years from the date that the product is applied to form an effective barrier from the hazards of the encapsulated lead- based paint. The warranty described in this paragraph, expressed or implied, is including but not limited to the implied warranties of the salability and fitness for a particular purpose. User shall determine the suitability of Child Guard's use and assume any and all risks and liabilities, which may arise in connection with the application of Child Guard. This warranty is extended only to the purchaser of Child Guard and does not apply to any damages which are a direct result of improper surface preparation and/or application, including, but not limited to:

1. The failure to properly apply Child Guard to a sound surface, which has been cleaned of foreign matter and dry at the time of application.
2. The failure to apply Child Guard above the recommended minimum application temperature.
3. The failure to apply Child Guard in full accordance with Fiberlock Technologies' written application instructions and guidelines.

## For Technical Information call 800.342.3755

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Fiberlock Technologies, Inc., nor its agents shall be responsible for the use or results of use of this product or any injury, loss or damage, direct or consequential. We recommend that the prospective user determine the suitability of this product for each specific project and for the health and safety of personnel working in the area.

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