



LEAD ENCAPSULANT

SENTINEL LEAD ENCAPSULANT is an interior/exterior, water based, Zero V.O.C., low odor coating designed as a permanent solution for the abatement of lead-based paint. Sentinel Lead Encapsulant is formulated with a flexible, durable, high solids finish to provide a thick barrier that traps and holds in lead contaminants on a variety of building surfaces. Sentinel Lead Encapsulant contains a bitter tasting anti-ingestant which deters children from oral contact. Sentinel Lead Encapsulant complies with HUD and the EPA for abatement by encapsulation.

Precautions & Preliminary Assessments

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 visit www.epa.gov/lead.

This product complies with Federal law restricting the presence of lead in consumer coatings. Contact Federal, State, and Local agencies for regulations regarding approved applicators, products and procedures. Determine the suitability of using Sentinel Lead Encapsulant on all building surfaces included in the applicable areas. Note: Some states require a surface assessment by a licensed lead inspector which may include a patch test for adhesion of the paint coats. Not for use on friction surfaces or movable building components. Refer to the Safety Data Sheet for further information on personal protective equipment (PPE).

Refer to Compendium Specification for additional information regarding exterior use and use in high demand environments.

Material Preparation

Thoroughly stir and mix coating to achieve an even consistency for spraying, brushing or rolling. Product must NOT be reduced with water or solvents.

Surface Preparation & Priming

Before applying Sentinel Lead Encapsulant make sure all surfaces are dry, clean and free of loose contaminants. For glossy surfaces, deglossing is required. Wash oily or oiled surfaces with Sentinel 805 Lead Dust Cleaner Envirowash or Sentinel 805 EnviroTowels and allow to dry before applying the coating.

Unpainted metal surfaces should be primed with Sentinel DTM Rust Inhibiting Direct to Metal Primer. All other building surfaces should be primed with Sentinel SBP Stain Blocking Primer when priming is deemed necessary.

Tinting

This product may be tinted with universal colorant systems. Up to two (2) ounces of universal colorant per gallon may be added. Do not field tint.

Application Tools

Apply with professional level airless sprayers.* Recommended **High-Pressure** Tip Size: .017 Recommended P.S.I.: 2500 - 3000 P.S.I. Recommended **Low-Pressure** Tip Size: .017 Recommended P.S.I.: 1200 - 1500 P.S.I.

*Tested on a Titan Impact 440X Sprayer fitted with an RX-80 3600 PSI Spray Gun with a low pressure HEA TR1 517 tip.

Roller: 3/8" - 1/2" Nap Wool Blend
Brush: Polyester or Nylon Bristle

Application

Apply Sentinel Lead Encapsulant at temps above 45°F for at least 6 hours during and after application to ensure a proper cure. Sentinel Lead Encapsulant should be applied in 2 or more coats at 7-14 wet mils per coat depending on application method. The final dry film thickness should be 7 mils.



Application Continued

For best results when spraying, apply in sweeping strokes always keeping the tip of the gun parallel to the surface at a distance between 12" to 18" inches. It is recommended to use a double cross-hatch technique.

Dry Time & Clean Up

Sentinel Lead Encapsulant will generally be dry to the touch in 2 hours and can be recoated after 4 hours.

Clean painting tools and spills with warm, soapy water while product is still wet. Clean spray equipment according to manufacturer directions. Remove cured encapsulant using Sentinel 206 Peroxystrip Paint & Coatings Remover.

Storage & Disposal

Protect Sentinel Lead Encapsulant from freezing. Store product in a dry location at temperatures between 40°F - 90°F. Dispose of excess product or empty container to a licensed waste handling facility in accordance with local, regional, national and/or international regulations.

Warranty

Sentinel Products Inc. warrants this product to perform satisfactorily for 20 years from the date the product is applied when used in accordance with label directions. Sentinel Products will replace the product or refund the purchase price in the event this product is proven defective, which shall be the exclusive remedy under the warranty. Liability for consequential damages is specifically excluded. No other warranties expressed or implied are given.

LEAD ENCAPSULANT

WHITE

100% Acrylic Eco-Friendly Coating
ZERO VOCs* ZERO HAPs LOW ODOR



TEST DATA

Sentinel Lead Encapsulant meets the ASTM E-1795 Standard for Lead Based Paint Encapsulation. Including but not limited to:

Sentinel Lead Encapsulant Surface Burning Characteristics (ASTM E 84):

Flame Spread Index: 0 (Class A rating)
 Smoke Deveoloped Index: 0 (Class A rating)

The ASTM E 84 was performed by a Nationally Recognized Testing Laboratory (NRTL). This test is parallel to the UL 723 test. The product was applied at a coverage rate of 80 sq. ft. per gallon on inorganic reinforced cement board. The flame spread may vary when applied over other surfaces.

Sentinel Lead Encapsulant meets NFPA 90A and 90B 25/50 requirements.

Sentinel Lead Encapsulant has successfully passed the ASTM D3273 test, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.

Result: 10 = 0% Defacement

Sentinel Lead Encapsulant has successfully passed the ASTM D3359 test, Standard Test Methods for Rating Adhesion by Tape Test. (5A best; 0A poorest)

Tape Pull Text; X Cut: 5A

Sentinel Lead Encapsulant has been tested to ASTM D2794 Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)

Direct: 9 J (80 in-lbs) without cracking to the substrate

Indirect: 9 J (80 in-lbs) without cracking to the substrate

Sentinel Lead Encapsulant meets the 21CFR 189 Substance Prohibited for use in Human Food Requirements.

Sentinel Lead Encapsulant is formulated to be applied over most building materials, metals, and plastics. Sentinel Lead Encapsulant has been tested for CPVC fixture compatibility by Spears Manufacturing. Contact Spears at 800-862-1499 for compatibility information.

SPECIFICATIONS

Physical State:	Liquid
Appearance:	Opaque
Color:	White
Odor:	Low
pH:	8.25 - 9.0
Flash Point:	>199.4°F
V.O.C. Content:	<5 g/L (calc.)*
Viscosity:	110 - 120 KU
% Solids by Weight:	61.68%
% Solids by Volume:	448.08%
Density:	11.3 pounds/gallon
Gloss:	0 - 4.9 (Flat)
Shelf Life:	24 Months
Coverage Rate:	Smooth Surfaces: 110 sq. ft./gl Porous Surfaces: 90 - 100 sq. ft./gl
Dry Time:	Dry to Touch: 2 hrs @70 - 77°F, 50% RH Recoat: 4 hrs @70 - 77°F, 50% RH
Water Vapor Transmission Rate:	<5 perms (dry cup)

*A zero VOC coating by industry standards means the product contains fewer than 5 grams of VOCs per liter.

