



Sustainability Simplified.™
very Simple.



PRODUCT DATA SHEET

LeadX™ Clear Lead Encapsulation Coating

Award Winning Energy Saving and Asset Protection Coatings



USES:

- ✓ Commercial buildings
- ✓ Homes
- ✓ Historical Buildings
- ✓ Government Buildings
- ✓ Hospitals/Schools
- ✓ Pipes
- ✓ Wood
- ✓ Nuclear facilities

BENEFITS:

- ✓ Easy encapsulation of lead
- ✓ Mold resistant, without use of harsh chemicals
- ✓ Moisture resistant
- ✓ Non-toxic, water-based, low VOC
- ✓ Clear, allowing surface to remain visible
- ✓ Outstanding durability and weathering
- ✓ Easily applied by brush, roller or paint sprayer
- ✓ Space saving – each coat is applied at 4 wet mils; a 2-coat application is standard
- ✓ Can be painted over
- ✓ Breathable, won't act as a vapor barrier
- ✓ Easy cleanup
- ✓ 20-year warranty for interior use; 5 year warranty for exterior use

OVERVIEW:

Clear lead encapsulation coating. Sustainable coating which is used to encapsulate and remediate lead based paint and lead contaminated surfaces. Use over brick, painted walls, wood, concrete, stucco, and many other surfaces. Can be painted over. Once cured, can perform at temperatures between -40F (-40C) up to 256F (125C).

Clear, nanotechnology-based coating for safe encapsulation of lead and mold resistance used for lead abatement of building surfaces, such as walls, ceilings, pipes, and more. Color: Translucent (ClearCoat) with a smooth, matte finish.

ADVANTAGES:

LEAD ABATEMENT: Safe and effective encapsulation of lead based paint and lead contaminated surfaces such as wood, brick, concrete, and more.

MOLD RESISTANCE: Resistant to growth of mold and mildew. Coating has been tested to ASTM D5590 and ASTM G21 for mold resistance. Reduces chance of food contamination.

EXCELLENT ADHESION: Forms a strong bond with the surface to protect from lead. ASTM D4541 tested for superior pull-off strength at 2400-2450 psi.

ENVIRONMENTALLY FRIENDLY: Non-toxic, non-flammable, water-based coating is low VOC, low odor, and environmentally friendly. Syneffex™ coatings are a sustainable, green technology.

SURFACE PROTECTION: Highly moisture resistant as well as UV resistant, protecting underlying building surfaces from weathering and damage due to the elements.

CORROSION PREVENTION: Superior corrosion prevention of surfaces. Coating forms a tight bond with the substrate and prevents moisture damage.

COLOR OPTIONS: Clear, White, or Custom Tint (25 gallon minimum for custom tint)

CONTACT/ORDERING:

Phone: 800-858-3176 Order

Online: www.syneffex.com



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PRODUCT DATA:

Theoretical coverage rate for One Gallon (3.79 Liters)	Yields approximately 4 mils/100 microns wet film thickness (1 coat) over 450 square feet (42 square meters) of surface area, depending on surface.
Coverage rate for typical application for One Gallon (3.79 litres)	Yields approximately 8 mils/200 microns wet film thickness (2 coats) over 225 square feet (21 square meters) of surface area, depending on surface.
Typical applied coat thickness	4 wet mils (100 microns) per coat
Typical dry film thickness (DFT) of 1 coat	.75 mil (19 microns) DFT
Typical touch dry time for 1 coat	20 minutes to 1 hour
Typical full cure time	30 days, dependent upon environmental variables
Shelf life	2 years, from date of manufacture
VOC content	100 g/L (calculated)
Viscosity	3000 to 3500 (cps)
Cross Hatch Adhesion - ASTM D-3359	0% 5B, edges remain smooth, no flaking
Pull Apart Strength - ASTM D-4541	2400-2450 psi
Flame Spread- ASTM E84	Class A
U/V Cabinet Aging Cabinet	Passed 10 year equivalent with no discoloration or loss of adhesion
Mold Resistance - ASTM D5590 & G21	Zero or minimal growth
Microbiology Testing - Gleocapsa Magma	Zero growth
Lead Testing	0% detectable lead when coated over solid lead blocks
Emissivity as tested on concrete roof tile	0.91
Permeability	5 perms/inch @ 23 deg C.

OTHER TESTING:

LeadX™ has been thoroughly tested on solid lead blocks during in house controlled laboratory testing, and was shown to successfully encapsulate lead and prevent lead from leaching through to the surface.

LeadX™ has also been tested individually by many environmental remediators who have identified it as their lead encapsulant of choice.

LIMITATIONS:

Do not use as a final floor covering.

Do not use over flaking paint.

Do not install where long-term submersion in liquid or continuous exposure to moisture is a possibility.

Do not install over poor surfaces, such as those with flaking paint, grease or other contaminates.

Do not allow application to be subject to rain or condensation for at least 72 hours.

Do not allow application to be subject to freezing temperatures during first 30 days.

Do not rely on visual measurement for coating thickness. Always use a wet film thickness (WFT) and/or dry film thickness (DFT) gauge in several areas to ensure proper application thickness. See Crystal Application Handbook for further details.

APPLICATION HANDBOOK:

The Syneffex™ Application Handbook for buildings, which includes application of the LeadX™, is available for download at: www.syneffex.com.

All statements, technical information and recommendations contained in this document are based upon tests or experience that Syneffex™ believes are reliable. However, many factors beyond Syneffex's control can affect the use and performance of a Syneffex™ product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the Syneffex™ product to determine whether it is fit for a particular purpose and suitable for the user's method of application. No warranty, expressed or implied is given regarding the accuracy of this information. Except where prohibited by law, Syneffex™ will not be liable for any loss or damage arising from the Syneffex™ product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. For questions, contact Syneffex™ at 800-858-3176 or answers@syneffex.com. Products are Made in the USA.