

ECOBOND™ LBP Lead Defender™ Pro

Technical Data Sheet

Lead based Paint Sealant and Treatment
Latex Primer and Paint

Specially formulated for professional use with patented lead treatment reagents, paint penetrators, softeners and the best professional grade quality latex paint to penetrate, bond, seal and treat existing lead paint applications and control the spread of airborne lead. Advanced human bioavailability reduction, resistance to acid rain and water leaching, low odor, low VOC quick dry resin, excellent adhesion and paint application compatibility. For use on interior and exterior surfaces.

- Superior Lead Treatment Technology – Reduces lead hazards up to 95%, reduce airborne lead up to 99% and reduce lead bioavailability up to 85%
- Mold and Mildew Resistance
- Fire Resistant
- Very low VOC's
- Protects Against Acid Rain Leaching
- Improved Hiding Power
- Excellent Adhesion
- Interior or Exterior Use
- Smooth Finish
- Very Low Odor
- Easy to Use
- Tintable up to 4oz Universal or water based colorant
- Water Clean-up

Note: Dry film preservatives offering excellent, long lasting protection against microorganisms, broad range mildew, algae and fungi that can grow on and potentially damage the coating. No added VOC.

Technical Data

Physical Characteristics

Solids by Weight – 45% (+/- 2%)

Solids by Volume – 37% (+/- 2%)

Density – 11.1 lbs/gal

Viscosity – 85 - 95 KU

Gloss Rating – Flat 2-6 at 60°

Flash Point – N/A

Water Vapor Transmissions – 4.4 – 5.2 perms

*Coating VOC - 14 g/L

Material VOC – 5.0 g/L

Odor – Very low odor

Shelf Life – 12 months in unopened container stored at 60° – 80°F

Product Testing

- EPA Method 1311: Reduces lead hazards by up to 95%
- ASTM E1613-12: Reduces airborne lead dust by up to 99%
- EPA 9200.1-86: Reduces relative lead bioavailability by up to 85%
- EPA Method 1312 – Resists acid rain leaching up to 98%
- ASTM D5590-00 modified – Mold and mildew resistant

- ASTM E96: - Meets typical water vapor transmissions for “Flat” latex paint
 - ASTM E84 – To be fire resistant with the highest rating available: Flame Spread of “0”, Smoke Developed “0” NFPA/BC Class A Coating.
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Recommended Use

Use to seal and treat lead paint/dust as a self-priming interior paint or as an exterior primer prior to application of standard exterior topcoats. Ideal for offices, retail/commercial/industrial facilities, DOT structures, schools and residential applications. Superior adhesion on most properly prepared substrates. The unique **Paint It On, Leave It On formula**® can be used on a variety of surfaces including but not limited to: wood, drywall/plaster, steel, masonry, brick, metal, concrete and asphalt.

Coverage

250-300 sf/gal depending on surface texture, porosity and application method.

Note: Recommended film thickness for single coat is 4-6 mil wet for typical application.

Additional layers may be required for higher concentrations of lead.

Drying Times (@70-77°F, 50% RH)

To the Touch – 2-4 Hours

To Recoat/Topcoat – 4 Hours

Note: High humidity, low temperatures and poor ventilation will affect dry times.

Recommended Application Tools

- Airless Sprayer: Recommended tip size .017 - .031
 - Roller: High quality 1/2” – 3/4” nap
 - Brush: Nylon/Polyester blend
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Mixing

Mix thoroughly for 1-3 minutes. Prior to use, mechanically shake or mix with a drill powered paint mixer.

Application

- Apply when air and surface temperatures are between 50 and 100°F
 - Thoroughly mix prior to use for 1-3 minutes with drill powered mixer or have mechanically shaken
 - Initial testing is recommended by painting a small area prior to full application to confirm compatibility
 - Apply as supplied using a sprayer, roller or brush
 - Protect surface from rain or moisture until dry
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Clean-up

Wash hands and tools with water. Clean up spills immediately with water.

Storage

Store in a dry place at temperatures between 40°F (4.5°C) and 90°F (32°C).

Disposal

Dispose of all waste in accordance too local, state and federal regulations.

Order/Packaging Size Information

Item Number	Description	Size	Weight
ELDP142001	Lead Defender™ Pro	124 oz/4 oz Tint – 1 Gal	13 lbs.
ELDP142005	Lead Defender™ Pro	620 oz/20oz Tint – 5 Gal	57 lbs.

Safety Precautions

- Follow lead work safe practices (epa.gov/lead/renovation-repair-and-painting-program) and all appropriate guidelines (e.g. OSHA, NIOSH, EPA and all other applicable Federal and State Laws and Regulations).
- To control lead exposure, use of a respirator, eye protection and protective clothing is recommended.
- Use with adequate ventilation, if you experience difficulty breathing, leave area to obtain fresh air. If continued difficulty, seek medical attention immediately.
- Avoid contact with eyes and skin; in case of eye contact, flush immediately with water and seek medical attention. For skin, wash thoroughly with soap and water.

DANGER – DO NOT TAKE INTERNALLY; KEEP OUT OF THE REACH OF CHILDREN

CAUTION - Close container after each use. Keep from Freezing

For Technical Information Contact ECOBOND™ at 888-520-7132 or visit our website ecobondlbp.com

Warranty

Manufacturer warrants that the products are free from defects in material and workmanship under normal and proper storage. Manufacturer's obligation under this warranty shall be limited to replacement of any product that may be defective within 30 days from the purchase date.

Please visit ecobondlbp.com/warranty for full warranty information.

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Lead Defender™ and Lead Defender™ Pro are ECOBOND™ LBP brand products

For more information about the complete line of Lead Defender® products visit ecobondlbp.com

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