

ECOBOND® OdorDefender®

Technical Data Sheet

ECOBOND® OdorDefender® is a revolutionary, solvent-free, odor-blocking sealant designed specifically for dangerous odors and lingering fumes resulting from secondary effects of marijuana and odor-producing drug fumes, cigarette/pipe smoke, pet urine, fire restoration, and numerous other indoor air pollutants. The exclusive blend of patented phosphates, alginate, and high-quality acrylic paint provides an excellent vapor barrier for mitigating moisture and odor transference. This will seal and block odors on a wide variety of surfaces such as drywall, various wood species, engineered wood, OSB, concrete, aluminum, steel, and PVC, providing improved indoor air quality.

- High Odor Blocking Capabilities
- Excellent Absorption - Nature's best absorbing material
- Easy to Apply Using Any Method
- Very Low VOC's
- Fire Resistant
- Mold and Mildew Resistant
- Meets Vapor Permeability Requirements
- High-Quality Paint - Provides good hiding
- May Be Used as a Primer or Top Coat
- Excellent Adhesion
- High Coverage Rate
- Easy Clean-up
- Tintable up to 4 oz. using a universal or water-based colorant
- Smooth Finish

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 – 34%

Density –

Viscosity – 95 – 105 KU

Gloss Rating – 2-5 at 60°

Flash Point – N/A

Water Vapor Permeability – 6 perms

Coating VOC - <15 ± 1%

Odor – Very low odor

Shelf Life – N/A while product is stored at 60° – 80°F

Product Testing

- ASTM E84: To be fire-resistant, Class A coating – Flame Spread of “5”, Smoke Developed “0.”
- ASTM E96: Meets typical water vapor transmission for latex paint
- ASTM D5590-00 modified: Mold and mildew resistant

Recommended Use

Use to seal and block odors on various surfaces as a self-priming interior paint or topcoat. Ideal for apartment/multi-family, hotels, offices, retail/commercial/residential/industrial facilities, and schools to seal and absorb odors and second-hand air pollutants. Perfect for restorations by property managers, real estate professionals, homeowners, and maintenance crews when preparing a property for renting or resale.

Coverage

300-400 sf/gl depending on surface texture, porosity, and application method.

Note: Recommended film thickness for a single coat is 4-6 mil wet for a 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 - .021
 - Roller: High quality 1/2" – 3/4" nap
 - Brush: Nylon/Polyester blend
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Mixing

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

Application

Before applying ECOBOND® OdorDefender®, the substrate must be thoroughly cleaned and dry. ECOBOND® OdorDefender® has superior adhesion on most properly prepared substrates. Apply when air and surface temperatures are between 50°-90° F and 10% to 60% relative humidity. Use a high-quality 3/8-3/4" nap roller cover, nylon/polyester brush, or an airless sprayer (recommended tip size: .019-.027). The standard application is 1 - 2 coats at 6 wet mils each. For stronger odors, another coat may be applied. Allow the paint to dry to the touch before applying each coat.

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 per local, state, and federal regulations.

Order/Packaging Size Information

Item Number	Description	Size	Weight
EODP144001	OdorDefender®	124 oz/4 oz Tint – 1 Gal	13 lbs.
EODP142005	OdorDefender®	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, the use of a respirator, eye protection, and protective clothing is recommended.
- Use with adequate ventilation; if you experience difficulty breathing, leave the 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.

Disclaimer

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LeadDefender®, LeadDefender® Pro, and OdorDefender® are ECOBOND® LBP brand products.

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

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