



**ENVIRO SHIELD™  
ODOR AND STAIN BLOCKER**

**DESCRIPTION AND USES**

EnviroShield™ Odor & Stain Blocker permanently blocks stains and seals in tough, deeply embedded smoke odors from fire damage surfaces. It also encapsulates and blocks the distinctive odors caused by animals, nicotine and musty mildew. It tackles tough stains including severe water damage, rust, nicotine, tannin, ink, pencil, marker, pet stains and more. Odor & Stain Blocker is a water-based primer, sealer or finish coat that is formulated to perform like a solvent or oil-based sealer without the harsh fumes. It can be used as a finish coat after cleaning to seal and fully restore finished interior painted surfaces. Odor & Stain Blocker applies white and dries non-gloss white and can be used as a primer for top-coating with both latex and oil-based paints after it has thoroughly dried.

Odor & Stain Blocker can seal most construction materials including treated and untreated lumber, OSB, particle board, masonry surfaces, concrete, brick, wallboard and composite construction materials.

Probable areas of use include crawlspaces, basements, attics and building envelopes. Surfaces within these areas include sheathing, trusses, framing, joists, plates, pillars, posts, beams and studs.

**PERFORMANCE CHARACTERISTICS**

- Low Odor and Low VOC
- Seals in fire and animal odors
- Covers and blocks stains
- Tintable
- Soap and water clean-up

**PRODUCT**

SKU	DESCRIPTION
ESO905	5 Gallon Pail

**PRODUCT APPLICATION**

**SURFACE PREPARATION**

**ALL SURFACES:** Surface must be structurally sound. Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Krud Kutter® Original Cleaner Degreaser, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry. Mold, mildew and wallpaper paste must be removed with an appropriate remover before coating and sealing. All surfaces must be dry at time of application.

**PRODUCT APPLICATION (cont.)**

**SURFACE PREPARATION (cont.)**

**PEELING OR CHECKED PAINT:** Scrape off loose paint and sand to a smooth surface.

**GLOSSY SURFACES:** For maximum adhesion, scuff sand the surface thoroughly before priming.

**MOLD OR MILDEW COVERED SURFACES:** Clean off any mold or mildew with designated mold/mildew removers and allow to dry before coating and sealing.

**MASONRY, BRICK, STUCCO AND PLASTER:** must be clean, dry, aged masonry surfaces. New masonry must be allowed to cure at least 28 days before applying.

**FIRE RESTORATION:** It is critical to clean smoke damaged surfaces before use.

**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 log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**APPLICATION**

Stir Odor & Stain Blocker thoroughly prior to and intermittently during use. Be sure that any settled material is dispersed thoroughly into solution.

Apply Odor & Stain Blocker with a brush, roller or sprayer. **\*DO NOT DILUTE** Only apply if surface, air and product temperatures are between 50°-90°F (10°-32°C). Coat the entire surface to ensure a uniform appearance.

Odor & Stain Blocker can be tinted to off-white and pastel shades by adding no more than 2 ounces of colorant per gallon.

Coverage rates vary depending on surface porosity and desired coverage. Only one coat is necessary, a second coat can be applied if desired.

\*For spray application, up to 8oz. of water per gallon can be added.



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**PRODUCT APPLICATION (cont.)**

**EQUIPMENT RECOMMENDATIONS**

**BRUSH:** Use a good quality nylon or polyester blend

**ROLLER:**

**Synthetic Fiber**

Smooth Surfaces 3/8"-1/2" nap  
Rough Surfaces 1/2"-3/4" nap

**AIRLESS SPRAYER**

<b>Fluid Pressure</b>	<b>Fluid Tip</b>	<b>Filter Mesh</b>
2,500-3,200 PSI	.013"-.017"	60

**PRODUCT APPLICATION (cont.)**

**DRY TIME**

Odor & Stain Blocker dries to the touch in 30 minutes. Can be recoated in 2 hours. High humidity and/or cool temperatures may lengthen the drying times.

**CLEAN-UP**

Clean all application tools with warm soapy water. If spilled, contain material and remove with an inert absorbent. Dispose of contaminated absorbent, container and unused product in accordance with all current federal, state and local regulations. Do not dispose of this product down a drain. For recycling or disposal information, contact your local refuse collection service.

**PROTECT FROM FREEZING**

	<b>TECHNICAL DATA</b>	<b>ENV-05</b>
	<b>ENVIRO SHIELD™</b> <b>ODOR AND STAIN BLOCKER</b>	

**PHYSICAL PROPERTIES**

ODOR AND STAIN BLOCKER		
<b>Resin Type</b>		Acrylic
<b>Pigment Type</b>		Titanium Dioxide, Talc
<b>Solvents</b>		DPM
<b>Weight</b>	<b>Per Gallon</b>	10.3 lbs.
	<b>Per Liter</b>	1.2 kg
<b>Solids</b>	<b>By Weight</b>	45%
	<b>By Volume</b>	31.3%
<b>Volatile Organic Compounds</b>		<100 g/l
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1.5-2.5 mils.
<b>Wet Film to Achieve DFT (Unthinned material)</b>		3.5-5.5 mils.
<b>Theoretical Coverage at 1 mil DFT (25µ)</b>		502 sq.ft./gal.
<b>Practical Coverage at Recommended DFT (assume 15% material loss)</b>		170 -285 sq. ft./gal.
<b>Dry Times at 77°F and 50% Relative Humidity</b>	<b>Touch</b>	30 Minutes
	<b>Handle</b>	90 Minutes
	<b>Recoat</b>	2 Hours
<b>Shelf Life</b>		5 Years
<b>Storage</b>		Protect From Freezing
<b>Safety Information</b>		For Additional Information, See SDS

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