



## TECHNICAL DATA SHEET

### KILZ® ORIGINAL INTERIOR OIL-BASED PRIMER

KILZ® Original primer blocks out most stains including water, smoke, tannin, ink, pencil, felt marker and grease, and seals pet and smoke odors. Use on interior surfaces. Not recommended on flooring.

#### AS OF 6/1/2011 COMPLIES OR IS CERTIFIED WITH:

SCAQMD	No	MPI #	45 <sup>1</sup>
CARB	No	MPI X-GREEN	No
OTC	No	GREENGUARD	No
LADCO	No	GREEN SEAL™	No
AIM	No	CHPS	No
LEED®	No	NAHB/ICC NGBS	No

<sup>1</sup> Applies to both formulas.

#### FILL / MAX TINT

No. 1000 (450 VOC)  
 Quart – 32oz / 1/2oz\*\*  
 Gallon – 128oz / 2oz\*\*  
 5 Gallon – 640oz / 10oz\*\*

No. 1003 (350 VOC)  
 Quart – 32oz / 1/2oz\*\*  
 Gallon – 128oz / 2oz\*\*  
 5 Gallon – 640oz / 10oz\*\*

\*\*Tinting is not recommended for stainblocking applications.

#### FINISH

85° = < 10.0

Sheen levels depend on porosity and various surface irregularities.

#### COMPOSITION

No. 1000 (450 VOC)  
 Vehicle: Alkyd Resin  
 Weight Solids: 63.9% (+/-) 2%  
 Volume Solids: 42.7% (+/-) 2%  
 Weight / Gallon (lbs): 10.3 (+/-) 0.2  
 Viscosity: 80 - 90 KU

No. 1003 (350 VOC)  
 Vehicle: Alkyd Resin  
 Weight Solids: 76.8% (+/-) 2%  
 Volume Solids: 53.1% (+/-) 2%  
 Weight / Gallon (lbs): 12.6 (+/-) 0.2  
 Viscosity: 85 - 95 KU

#### VOC:

No. 1000 (450 VOC)  
 443 g/L

No. 1003 (350 VOC)  
 344 g/L

The addition of colorants may add VOCs.

#### FLASHPOINT

No. 1000 (450 VOC)  
 75°F (23.9°C)

No. 1003 (350 VOC)  
 102°F (38.9°C)

#### COVERAGE RATE

Coverage: 300 - 400 sq. ft. (28 - 37 m<sup>2</sup>) per gallon, depending on the surface texture,

porosity and application method. Does not include the loss of material from spraying.

#### RECOMMENDED FILM THICKNESS

At 300 sq. ft. per gallon:

- No. 1000 (450 VOC) – Wet: 5.3 mils; Dry: 2.3 mils
- No. 1003 (350 VOC) – Wet: 5.3 mils; Dry: 2.8 mils

At 400 sq. ft. per gallon:

- No. 1000 (450 VOC) – Wet: 4.0 mils; Dry: 1.7 mils
- No. 1003 (350 VOC) – Wet: 4.0 mils; Dry: 2.1 mils

#### PREMIUM APPLICATION TOOLS

##### Airless Spray:

Tip: .015" - .021"

Filter: 60 mesh

PSI: Fluid pressure of 2,500 - 3,200

##### Roller:

Smooth Surfaces: 3/8" - 1/2" nap

Rough / Porous Surfaces: 1/2" - 3/4" nap

##### Brush: Nylon / Polyester Blend or Premium Natural Bristle

#### SURFACE PREPARATION†

- The surface must be clean, free of dust, grease, wax, peeling paint, mold, mildew and wallpaper paste. If washing is necessary, use a non-soapy detergent or a TSP substitute. Rinse well and allow to dry.
- Peeling or Checked Paint: Scrape off loose paint and sand to a smooth surface. Sanding or removal of paint containing lead is hazardous.†
- Glossy Surfaces: For maximum adhesion, scuff sand the surface thoroughly before priming.†
- Mold or Mildew Covered Surfaces: Wash the area with a mildew remover, rinse with water and allow to dry before priming. Note: KILZ® PREMIUM and KILZ 2® primers are recommended for mildew-prone surfaces.
- Masonry, Brick, Stucco and Plaster: KILZ ORIGINAL primer may be used on clean, dry, aged masonry surfaces that have cured (dried) at least 90 days. If masonry has been cured less than 90 days, use KILZ® PREMIUM, KILZ 2® or KILZ ODORLESS® primers.

#### WHERE TO USE

Use on properly prepared interior surfaces, such as:

- Brick
- Painted Metal
- Properly Prepared Glossy Surfaces†
- Drywall
- Paneling
- Wallpaper
- Masonry
- Plaster
- Wood

- Fire Restoration: It is critical to clean smoke damaged surfaces thoroughly before priming.

#### APPLICATION

- Eye protection is recommended.
- Apply as supplied using a brush, roller or sprayer.
- **Do not thin.**
- Stir thoroughly before and occasionally during use.
- Prime the entire surface to ensure a uniform appearance of the topcoat.
- Stainblocking: After priming, test for stain bleed-through by applying the topcoat to a small section. If the stain bleeds through the topcoat, apply a second coat of primer and test again before topcoating the entire area. If bleeding continues, a longer dry time is needed before topcoating.
- Tinting: Not recommended for stainblocking applications. KILZ ORIGINAL primer may be tinted with up to 2 ounces of universal colorant per gallon for non-stainblocking projects. Tinting to a lighter shade than the topcoat is recommended.

#### DRY TIME at 77°F (25°C), 50% RH:

- To Touch: 30 Minutes
- To Recoat / Topcoat: 1 Hour

Application at lower temperatures, high humidity or poor ventilation will affect dry time.



**M Masterchem Industries LLC**

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 1-866-PRIMER-1 • www.kilz.com

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For MSDS or to consult with a technical service representative, call 1-866-PRIMER-1.



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#### CLEAN UP & DISPOSAL

- Clean equipment and paint spatters with mineral spirits.
- 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.
- Please consider donating any unused product.
- For recycling or disposal information, contact your local household refuse collection service.

#### LIMITED WARRANTY

If this product is found to be defective upon inspection by its representative, Masterchem Industries LLC will, at its option, either furnish an equivalent amount of new product or refund the purchase price to the original consumer purchaser of this product upon proof of purchase. Masterchem Industries will not be liable for any representations or warranties made by any retail seller or applicator of this product. **This warranty excludes (1) labor or cost of labor for the removal of this product or any other product, the repair or replacement of substrates to which this product is applied or the application of replacement product and (2) any incidental or consequential damages.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may also have other rights which vary from state to state. This warranty is not transferable. To make a warranty claim, write to Technical Service, Masterchem Industries LLC, 3135 Old Highway M, Imperial, MO 63052-2834, or email Technical Service at [techservice@masterchem.com](mailto:techservice@masterchem.com).

**†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).

**VENTILATION REQUIRED:** To avoid inhalation and combustion hazards (see below), DO NOT use this product unless you can achieve cross-ventilation by opening windows and doors during application and drying.

**CONTAINS PETROLEUM DISTILLATES. VAPOR HARMFUL.** May affect the brain or nervous system causing dizziness, headache or nausea. Do not breathe vapors or spray mist. If you experience eye watering, headaches or dizziness, increase fresh air, wear respiratory protection (NIOSH / MSHA TC 23C or equivalent) or leave the area. Follow respirator manufacturer's directions for respirator use. Causes eye, skin, nose and throat irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling and before smoking and eating.

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**VAPORS MAY CAUSE FLASH FIRE.** Keep away from sparks, heat and open flame. Do not smoke. Vapors are heavier than air, and can travel at floor level to distant ignition sources. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors, high intensity lights and other sources of ignition during use and until all vapors are gone. Close container after each use. To avoid spontaneous combustion, soak soiled rags and waste immediately after use in a closed, water-filled metal container.

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm.

#### FIRST AID

- If swallowed, do not induce vomiting. Get medical attention immediately.
- If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.
- In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.
- For skin contact, wash thoroughly with soap and water.

#### KEEP OUT OF REACH OF CHILDREN

#### DO NOT TAKE INTERNALLY



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