

## Heat Blocking 100% Acrylic Thermal Primer

Primer • 3750

### Product Description

A high quality 100% acrylic coating specially formulated and reinforced with ceramic microspheres to provide a heat blocking thermal barrier on a multitude of properly prepared and primed substrates. ChilliWall Acrylic Thermal Primer also offers excellent high build properties which enable the user to obtain higher film thicknesses that are very beneficial to the heat blocking properties of ChilliWall.

### Recommended Substrates

- Concrete, concrete block and stucco
- Poured and precast concrete
- Synthetic EIFS & synthetic stucco
- Cementitious & fiber cement siding
- Previously painted metals
- Wood, plywood & GWB

### Product Features

- Provides a heat blocking thermal barrier
- Reinforced with ceramic microspheres
- Seals & protects porous masonry surfaces
- Excellent adhesion
- Promotes adhesion of the topcoat
- Soap and water clean up

### Product Limitations

This product is for use on properly prepared above grade vertical substrates. Do not apply to horizontal surfaces that come in constant contact with moisture or standing water.

Available bases   3750:	White - DO NOT TINT
<b>Application:</b>	Brush, roller, airless or conventional spray
Dry time @ 50% RH*:	2 HRS to touch 4 HRS to recoat
*dry times listed may vary according to the relative humidity, temperature, film build, color and air movement of the application environment	
Flash Point:	Nonflammable >200°F
Clean Up:	Soap and water
<b>Compliance</b>	This product is VOC compliant based on limits provided by CARB, EPA, MPI GSP-1, MPI GSP-2, LEEDv4, OTC and SCAQMD.

### Product Data

Product Type:	<b>Waterborne Acrylic</b>
Gloss @60°:	<b>3750</b> 1 - 5
Wt Solids ±2%:	63%
Vol Solids ±2%:	53%
Wet Film Mils:	18.9 - 24.7
Dry Film Mils:	10.0 - 13.1
Coverage / Gal*:	65 - 85
* coverage and wet and dry millage will vary by substrate type and porosity.	
VOC gms p/L**:	<50
** less exempt solvents and before the addition of colorant	
Viscosity KU ±5:	110

### Surface Preparation

Caution! There is the potential to release lead dust if you sand scrape or remove old paint. Lead is toxic and exposure to lead dust particles can cause serious illness including brain damage especially in children. Pregnant women should avoid exposure. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the fumes and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at [www.epa.gov/lead](http://www.epa.gov/lead).

**General Surface Preparation:** The performance of this product is dependent on the integrity and soundness of the substrate. All surfaces should be clean and free of any dirt, rust, grease, mill oils, mill scale, efflorescence, organic growth, mildew or other contaminants that might adversely affect the adhesion and performance of this product. Any failed or deteriorated caulk or patching compound should be removed and replaced. Unpainted surfaces should be primed in accordance with manufacturer's recommendations. Glossy substrates should be deglossed prior to painting. **Plaster:** Plaster, hardcoat, skim coat or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming with an alkali resistant primer.

**New Concrete, Stucco and Masonry Surfaces:** New concrete and masonry should cure for at least 30 days and preferably 90 days prior to painting. The PH of the substrate must be Less than 10 prior to application of this primer. Block mortar joint should cure for at least 30 days prior to priming. Fill block with appropriate blockfiller. **New Wood:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean and then primed. Any knots or resinous areas must be primed before painting. Countersink all nails, putty flush with surface, then prime with a quality stain blocking primer. **Ferrous Metal:** The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants and then primed with a corrosion resistant primer.

### Directions for Use

**Application:** Mix thoroughly prior to use and occasionally during the application process. Product should be applied by brush, roller or airless spray. Apply coating evenly by maintaining a "wet edge" and working the material deep into the cracks and voids in the substrate. When using roller application, product should be applied in a downward direction to allow for a uniform finish. When using airless spray application "back rolling" is recommended to work the material into the pores, cracks and voids. **Brush:** Use quality nylon, polyester or combination nylon/polyester. **Roller:** Use a 1/2" to 1-1/2" synthetic or lamb's wool roller cover, depending on texture or surface porosity. **Airless:** Use a tip size between .017 and .021. Tip size should reflect the type of equipment and pressure being used.

**Thinning: Do not thin. Clean Up:** Tools should be cleaned immediately after use with warm soapy water. Spray equipment should be flushed thoroughly after each use. **Dry Time and Curing:** Apply at spread rate of 65 -85 square feet per gallon depending on the texture and porosity of the surface. Allow the to dry for 4 hours before recoating, or for best results overnight. Do not use when air, surface or product temperatures are below 50°F or above 100°F.

### Safety

CAUTIONS: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY! USE ONLY WITH ADEQUATE VENTILATION! Avoid prolonged contact with skin, and breathing of dust, vapors or spray mists. Avoid contact with eyes. Ensure fresh air entry during application and drying. Wear an appropriate fitted respirator (NIOSH approved.) Wear eye protection. Wash skin thoroughly after handling. Close container after each use and store in a secure, shaded and dry location. **First Aid:** In case of eye contact immediately flush with plenty of water for 15 minutes and get medical attention immediately. If swallowed do not induce vomiting and get medical attention immediately.

### Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

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