

**PRODUCT DESCRIPTION**

Powerbarrier LV is a waterborne, non-toxic, non - flammable, elastomeric coating. Single component brush, roll or spray applied. LV is applied at ambient air temperature (no heat and no offensive odors). LV has excellent adhesion to metal, concrete, wood and most roofing substrates.

**PRODUCT FEATURES**

- Low odor
- Ease of application
- Outstanding flexibility (900%+ elongation)
- Outstanding resistance to damage from thermal cycling, U.V. and aging
- Excellent chemical resistance (not resistant to solvents and low end hydrocarbons)
- Excellent moisture barrier
- Seamless
- Minimization of waste and disposal

**TYPICAL USES**

- Ancillary product for Powerbarrier
  - Waterproofing (above & below grade)
  - Damp-proofing
  - Between concrete slabs
- NOT RECOMMENDED FOR:** Areas subjected to strong solvents or continuous hydrocarbon exposure and directly over EPS board.

**TECHNICAL DATA**

<b>Colors:</b>	Black	<b>Drying times (20°C) based on 20 mils</b>	
<b>Solids by volume:</b>	62 - 67%	<b>Tack free :</b>	4 - 6
<b>Theoretical Coverage of 1 mil:</b>	1042.6 ft <sup>2</sup> / U.S gallon	<b>To recoat:</b>	1 - 8 hours
<b>D.F.T. at 25 microns:</b>	96.8 m <sup>2</sup> / 3.78 liters	<b>Complete cure:</b>	6 - 72 hours
<b>Dry film thickness:</b>	10 - 40 mils	<small>cure depends on temp and relative humidity.</small>	
<b>Viscosity:</b>	7800 cps	<b>Shelf life:</b>	1 year unopened
<b>V.O.C.:</b>	none	<b>Packaging:</b>	
<b>Temperature Resistance:</b>		<b>Base:</b>	5 gal (18.9 liters)
<b>Continuous:</b>	176°F (80°C)		
<b>Non-continuous:</b>	250°F (121°C)		

**APPLICATION GUIDE**
**SURFACE PREPARATION**

The application surface should be clean, dry and structurally sound, free of sharp edges, loose or foreign material, dirt, oil or grease or other foreign materials, which might inhibit adhesion of PowerBarrier LV. PowerBarrier LV should be protected from freezing and should not be applied at temperatures below 40°F (5°C). If a freeze is expected, it is recommended that application be delayed till conditions are warmer. For specific applications consult a Lahalt representative and/or refer to the specification guidelines.

**MIXING**

PowerBarrier LV should be mixed for 1 to 5 min prior to application. Pot Life: Unlimited. If left open a skin will form on top, remove skin and discard. Remaining product is still good. When not in use seal tightly and keep in doors out of direct sunlight.

**APPLICATION PROCESS**

Powerbarrier LV can be applied directly to a rusted surface. If applying over previously painted surfaces, an adhesion test is suggested. Where gaps greater than 1/8" inch, it is common to use a mesh sandwiched between two layers of LV. This method consists of reinforcing fabric (such as Tietex 272 polyester) to bridge the gaps, applying the LV over the tape 2 inches beyond the fabric. Equipment: Powerbarrier LV can be applied with any paint brush. For rolling, use 1/8th inch nap disposable roller. If spraying, the pump, all lines and the spray gun should be cleaned after use.

**PHYSICAL PROPERTIES**

<b>Elongation:</b>	(ASTM D-412)	> 800 %+
<b>Flexibility @ 22°F:</b>	(ASTM D-412)	>400%
<b>Salt Fog Resistance:</b>	(ASTM B-117)	No Deterioration
<b>Puncture Resistance:</b>	(ASTM E-154)	No Puncture @ 9.5 inches
<b>UV Stability:</b>	(ASTM G-26)	Pass
<b>Permeance:</b>	(ASTM E-96)	0.16 perms
<b>Crack Bridging:</b>	(ASTM C-957)	Pass
<b>Service Temperature:</b>	(ASTM D-746)	-25°F - 176°F (No deterioration or failure)

See the material safety data sheet and product label for complete safety and precaution requirements.

**DISCLAIMER:**

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."