

PRODUCT DESCRIPTION

Powerbarrier is a waterborne, non-toxic, non - flammable, elastomeric coating. Spray applied with two components mixing outside the spray gun, with instant activation at the surface. Both components are applied at ambient air temperature (no heat and no offensive odors). Powerbarrier has excellent adhesion to metal, concrete, wood and most roofing substrates.

PRODUCT FEATURES

- Low odor
- Ease of application
- Independent strength
- Outstanding flexibility (1,800%+ elongation) and torque handling
- Outstanding resistance to damage from thermal cycling, U.V. and aging
- Excellent chemical resistance (not resistant to solvents and low end hydrocarbons)
- Suitable for areas of ponding water
- Reduced weight as compared to competitive materials
- Effective noise barrier
- Minimization of waste and disposal

TYPICAL USES

- Waterproofing (above & below grade)
 - Damp-proofing
 - Vapor barrier
 - Sandwich slabs
 - Preventative corrosion barrier for steel structures
 - On virtually all re-roofing projects
 - Splash zones
 - Pond liners for fresh water and frac water.
 - Especially effective in areas that will see movement.
- NOT RECOMMENDED FOR:** Areas subjected to strong solvents or continuous hydrocarbon exposure and directly over EPS board.

TECHNICAL DATA

Colors:	Black	Drying times (20°C) based on 20 mils	
Solids by volume:	62 - 67%	Tack free :	instant
Theoretical Coverage of 1 mil:	1042.6 ft ² / U.S gallon	To recoat:	30 min - 8 hours
D.F.T. at 25 microns:	96.8 m ² / 3.78 liters	Complete cure:	6 - 72 hours
Dry film thickness:	20 - 120 mils (any thickness in one coat) depends on the application	<small>cure depends on temp and relative humidity.</small>	
V.O.C.:	none	Mixing Ratio:	12:1 by volume (can be sprayed at other ratios, consult Lahalt)
Viscosity:	110 +or- 5 cps	Shelf life:	1 year unopened
Temperature Resistance:		Packaging:	
Continuous:	176°F (80°C)	Part A (Base):	55 gal (208 liters)
Non-continuous:	250°F (121°C)	Part B (Activator):	275 gal (1,041 liters) 42 dry lbs (19 kg) makes 55 gal wet (208 L)

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. For specific applications consult a Lahalt representative and/ or refer to the specification guidelines.

MIXING

PowerBarrier Part A (Base coat) should be agitated for 30 min - 1 hour prior to application. PowerBarrier Part B (activator/catalyst) should be agitated prior to commencement of application. (Never let the Part A and Part B touch each other, always use separate mixers). Pot Life: None, Powerbarrier base and catalyst mix outside the spray gun at the time of application.

APPLICATION PROCESS

In some cases it is necessary to start by spraying a primer coat of Powerbarrier A only. This preliminary measure improves adhesion and binds any dust which has not been removed by cleaning. Spraying should always be perpendicular to the surface being coated. Spraying should commence at the lowest point and proceed to the highest. Care should be taken not to spray excess material into corners or angles. PowerBarrier 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. The pump, all lines and the spray gun should be cleaned after use. PowerBarrier may be applied in humidity up to 100%.

PHYSICAL PROPERTIES

Elongation:	(ASTM D-412)	> 1800 %+
Flexibility @ 22°F:	(ASTM D-412)	>500%
Salt Fog Resistance:	(ASTM B-117)	No Deterioration
Puncture Resistance:	(ASTM E-154)	No Puncture @ 12.5 inches
Class A Fire Rating:	(ASTM E-108)	Passed (Class A on 1/2 inch slope)
Accelerated Aging Test:	(ASTM G-573)	Equal to 61 years
UV Stability:	(ASTM G-26)	Equal to 57 years
Permeance:	(ASTM E-96)	0.16 perms
Crack Bridging:	(ASTM C-957)	Pass
Impact Resistance:	(ASTM D-4226)	> 260 in/lbs
Service Temperature:	(ASTM D-746)	-25°F - 176°F (No deterioration or failure)
Noise Reduction:	(ASTM G-1007)	98% @ 205 mils

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."