



PRODUCT DESCRIPTION

StrongBarrier is a waterborne, non-toxic, non-flammable, elastomeric coating. Single component brush, roll or spray applied. StrongBarrier is applied at ambient air temperature (no heat and no offensive odors). StrongBarrier 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

On virtually all roofing and re-roofing projects, waterproofing (above & below grade), damp-proofing, vapor barrier, between concrete slabs, preventative corrosion barrier for steel structures, ballast tanks, structural steel/I-beams, pipeline, splash zones, pond liners for fresh water and frac water. Especially effective in areas that will see movement.

TECHNICAL DATA

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



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STRONGBARRIER



MIXING

StrongBarrier 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

StrongBarrier 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 StrongBarrier. This method consists of reinforcing fabric (such as Tietex 272 polyester) to bridge the gaps, applying the StrongBarrier over the tape 2 inches beyond the fabric. Equipment: StrongBarrier 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

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



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