



PRODUCT DESCRIPTION

PowerSpray 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). PowerSpray has excellent adhesion to metal, concrete, wood and most roofing substrates.

PRODUCT FEATURES

- Low odor
- Excellent chemical resistance
- Ease of application
- Suitable for areas of ponding water
- Independent strength
- Outstanding flexibility (1,750%+ elongation) and torque
- Reduced weight as compared to competitive materials handling
- Effective noise barrier
- Outstanding resistance to damage from thermal cycling, U.V.
- Minimization of waste and disposal and aging

TYPICAL USES

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

TECHNICAL DATA

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



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

MIXING

PowerSpray A (Base coat) should be agitated for 30 min - 1 hour prior to application. PowerSpray 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, PowerSpray base and catalyst mix outside the spray gun at the time of application.

APPLICATION PROCESS

Spray pattern 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. PowerSpray 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. PowerSpray 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