

# PathoShield®



TECHNICAL DATA SHEET

Issue date: 6/19

Issue Rev: 2

## Type: 2.00XP1500

### Features:

Excellent physical properties,  
Ultra-thin and flexible,  
Low temperature performance,  
Abrasion resistance,  
Adjusts easily through most standard hardware,  
Seals against water, most fluids and dirt,  
Heat and RF weldable  
Easy to clean.

Physical Properties	Value	Unit
Webbing	Polyester	n/a
Coating Material	Polyurethane	n/a
Coating Hardness	87 +/-3	Shore A
Coating Melt Point	302	°F
Tensile Strength	9786	Newton
Width	1.88 +/- .03	Inch
Thickness	.042 +/- .01	Inch

## PathoShield® Coating General Chemical Resistance

CHEMICAL RESISTANCE RATING	
EXCELLENT, LITTLE OR NO CHANGE	E
GOOD, SLIGHT LOSS IN PROPERTIES, SLIGHT SWELL (Probably useful in limited exposure applications)	G
FAIR, SWELLING AND SOME LOSS IN PROPERTIES (Probably useful in intermittent exposure application)	F
POOR, SIGNIFICANT LOSS OF PROPERTIES AND SIGNIFICANT SWELLING (Not recommended)	P
DISSOLVES (Not recommended)	D

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ACIDS	RATING
ACETIC, 5%	G
FORMIC, 20%	P
HYDROCHLORIC, 10%	F
OLEIC	F-G
SULFURIC, 20%	F
<b>ALCOHOLS</b>	
ETHANOL	P
ISOPROPANOL	F-P
ISOPROPANOL, 50%	F-P
METHANOL	P
<b>ALKALI</b>	
SODIUM HYDROXIDE, 20%	F
<b>ORGANICS</b>	
ACETONE	P
ASTM FUEL A	G
ASTM FUEL B	F
ASTM FUEL C	F-P
ASTM OIL #1	G
ASTM OIL #2	G
ASTM OIL #3	G-F
BENZENE	P
BRAKE FLUID, TYPE A	P
BRAKE FLUID, (H.D.)	F-G
BUTANE	G
CARBON TETRACHLORIDE	P
CYCLOHEXANONE	D
DIMETHYL FORMAMID	D
DIMETHYL SULFOXIDE	D
1,4-DIOXANE	D

ORGANICS Cont.	RATING
DIOCTYL PHTHALATE	F
ETHYL ETHER	F-G
ETHYLENEN GLYCOL	G
ETHYLENE GLYCOL, 50% H <sub>2</sub> O	G
GASOLINE, 100 OCTANE	F
HEXANE	F-G
KEROSENE	G
METHYLENE CHLORIDE	P
METHYL ETHYL KETONE	P
N-NETHYL-2-PYRROLIDENE	D
OIL, TEXAS CRUDE	F-G
OIL, DETERGENT 20W	G
OIL, NONDETERGETN 20W	G
OIL, SKYDROL TYPE B	D
OIL, SKYDROL TYPE 500A	F-P
OIL, SKYDROL TYPE 500B	F-P
OIL, TRANSMISSION TYPE A	G
PERCHLOROETHYLENE	P
PYRIDINE	D
TETRAHYDROFURAN	D
TOLUENE	P
TRICHLOROETHYLENE	P
TURPENTINE	G
<b>MISCELLANEOUS</b>	
CLOROX, 5%	G
CALCIUM SOLUTION SATURATED SOLUTION	G
HYDROGEN DISULFIDE, 5%	E
SODIUM CHLORIDE SATURATED SOLUTION	G
SYNTHETIC PERSPIRATION	G
TIDE DETERGENT, 1%	G
WATER	G

The ratings listed on these pages should be considered a very general guide for selecting PathoShield for contact with the listed chemicals or fluids. These ratings are based on actual test results and published literature. While this guide can serve as a first pass screening tool, careful testing of PathoShield under actual use conditions is essential. No guarantees regarding the accuracy of these ratings are given or implied.

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