



Scaffpad Bund

Permanent and Temporary Secondary Containment Solutions

High Performance XR-5® 8130 Reinforced Geomembrane technology



Made from XR-5® 8130 Reinforced Geomembrane
and a lightweight aluminium support frame
Scaffpad Bund offers:

- Quick and easy tool free assembly
- Excellent chemical resistance
- Safe and secure containment
- Outstanding performance in harsh environments
- Extreme puncture and tear resistance
- UV resistant non-degradable fabric
- Heat welded seams for optimum strength
- Unique use of XR-5 Technology® in UK market
- Bespoke sizes available on request

Assembled Size	Maximum Volume Held
4 x 4 x 2 ft 1.2 x 1.2 x 0.6 m	906.1 Litres
6 x 6 x 2 ft 1.8 x 1.8 x 0.6 m	2038.8 Litres
8 x 8 x 2 ft 2.4 x 2.4 x 2.4 m	3624.6 Litres



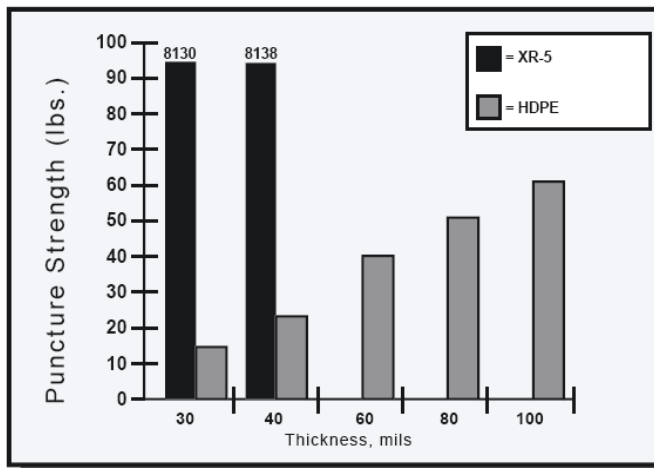
Chemical Resistance Chart Comparative Chemical Resistance

	XR-5	HDPE	PVC	Hypalon	Polypropylene
Kerosene	A	B	C	C	C
Diesel Fuel	A	A	C	C	C
Acids (General)	A	A	A	B	A
Naphtha	A	A	C	B	C
Jet Fuels	A	A	C	B	C
Saltwater 180F	A	A	C	B	A
Crude Oil	A	B	C	B	C
Gasoline	B	B	C	C	C

A = Excellent B = Moderate C = Poor NF = Not Found In Published Chart

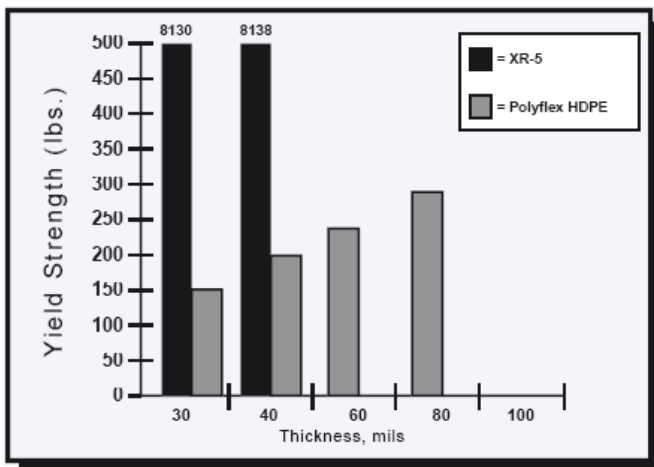
Source: Manufacturer's Literature

XR-5 / HDPE Comparative Properties



Puncture Resistance

FTMS 191, Method 5120 (screwdriver tip, 45° angle (Room Temperature) Puncture Resistance, XR-5 vs. HDPE



Yield Strength

XR-5 vs. HDPE

Test Method: Grab Tensile, ASTM D 751, 70°C

Source: Seaman Corporation <http://www.xr-5.com/products.html>



Chemical / Environmental Resistance Chart XR-5® Fluid Resistance Guidelines

The data below is the result of laboratory tests and is intended to serve only as a guide. No performance warranty is intended or implied. The degree of chemical attack on any material is governed by the conditions under which it is exposed. Exposure time, temperature, and size of the area of exposure usually varies considerably in application, therefore, this table is given and accepted at the user's risk. Confirmation of the validity and suitability in specific cases should be obtained.

When considering XR-5 for specific applications, it is suggested that a sample be tested in actual service before specification. Where impractical, tests should be devised which simulate actual service conditions as closely as possible.

Exposure	Rating	Exposure	Rating
AFFF	A	JP-4 Jet Fuel	A
Acetic Acid (5%)	B	JP-5 Jet Fuel	A
Acetic Acid (50%)	C	JP-8 Jet Fuel	A
Ammonium Phosphate	T	Kerosene	A
Ammonium Sulfate	T	Magnesium Chloride	T
Antifreeze (ethylene glycol)	A	Magnesium Hydroxide	T
Animal Oil	A	Methanol	A
Aqua Regia	X	Methyl Alcohol	A
ASTM Fuel A (100% Iso-octane)	A	Methyl Ethyl Ketone	X
ASTM Oil #2 (Flash pt. 240° C)	A	Mineral Spirits	A
ASTM Oil #3	A	Naphtha	A
Benzene	X	Nitric Acid (5%)	B
Calcium Chloride Solutions	T	Nitric Acid (50%)	C
Calcium Hydroxide	T	Perchloroethylene	C
20% Chlorine Solution	A	Phenol	X
Clorox	A	Phenol Formaldehyde	B
Conc. Ammonium Hydroxide	A	Phosphoric Acid (50%)	A
Corn Oil	A	Phosphoric Acid (100%)	C
Crude Oil	A	Phthalate Plasticizer	C
Diesel Fuel	A	Potassium Chloride	T
Ethanol	A	Potassium Sulphate	T
Ethyl Acetate	C	Raw Linseed Oil	A
Ethyl Alcohol	A	SAE-30 Oil	A
Fertilizer Solution	A	Salt Water (25%)	B
#2 Fuel Oil	A	Sea Water	A
#6 Fuel Oil	A	Sodium Acetate Solutions	T
Furfural	X	Sodium Bisulfite Solution	T
Gasoline	B	Sodium Hydroxide (60%)	A
Glycerin	A	Sodium Phosphate	T
Hydraulic Fluid- Petroleum Based	A	Sulphuric Acid (50%)	A



Exposure	Rating	Exposure	Rating
Hydraulic Fluid- Phosphate Ester Based	C	50% Tanic Acid	A
		Toluene	C
Hydrocarbon Type II (40% Aromatic)	C	Transformer Oil	A
Hydrochloric Acid (50%)	A	Turpentine	A
Hydrofluoric Acid (5%)	A	Urea Formaldehyde	A
Hydrofluoric Acid (50%)	A	UAN	A
Hydrofluosilicic Acid (30%)	A	Vegetable Oil	A
Isoprophyl Alcohol	T	Water (200°F)	A
Ivory Soap	A	Xylene	X
Jet A	A	Zinc Chloride	T

Rating Key:

- A - Fluid has little or no effect
- B - Fluid has minor to moderate effect
- C - Fluid has severe effect
- T - No data-likely to be acceptable
- X - No data-not likely to be acceptable

Ratings are based on visual and physical examination of samples after removal from the test chemical after the samples of Black XR-5 were immersed for 28 days at room temperature. Results represent ability of material to retain its performance properties when in contact with the indicated chemical.

We believe this information is the best currently available on the subject. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience are gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information. In case of conflict between standard and metric specifications, standard shall apply.

Source: Seaman Corporation [http:// www.xr-5.com/products.html](http://www.xr-5.com/products.html)



Material Safety Data Sheet

SECTION 1.		PRODUCT & COMPANY INFORMATION	
Trade Name:	XR-5 [®] , XR [™] 3, XR-5 [®] B		
Chemical Name, Synonyms:	PVC/EVA COATED FABRIC	EMERGENCY PHONE NUMBERS:	
Manufacturer:	SEAMAN CORPORATION	DAY: 330-262-1111	
	1000 Venture Blvd.	NIGHT (CHEMTREC): 800-424-9300	
	Wooster, OH 44691 USA	INFORMATION: 330-262-1111	
SECTION 2. INGREDIENTS			
COMPONENT			TLV (Units)
POLYESTER FABRIC OR NYLON FABRIC			N.A.
PROPRIETARY COMPOUND CONTAINING EIP, PVC, STABILIZERS, PIGMENTS. UV ABSORBERS. LUBRICANTS. PROCESS OILS			N.A.
(TRADE SECRET PER CFR 1910.1200[1])			
SECTION 3. PHYSICAL DATA			
Boiling Point:	>350° F	Specific Gravity:	1.2-1.3
Vapor Pressure:	N.A.	% Volatile (Vol.):	N.A.
Vapor Density:	N.A.	Color and Odor:	Black; Vinegar Odor
Solubility in Water:	Insoluble	Physical State:	Solid Sheet
SECTION 4. FIRE AND EXPLOSION HAZARD DATA			
Flash Point: >250° F	Flammable Limits: N.A.		
EXTINGUISHING MEDIA:	Water fog, foam or dry chemical; CO2 may not have enough cooling to prevent re-ignition.		
FIRE PROTECTIVE EQUIPMENT:	Positive pressure self-contained breathing apparatus and full protective clothing to fight fires.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None Known		
SECTION 5. REACTIVITY DATA			
STABILITY - CONDITIONS TO AVOID:	Combustible if exposed to flame		
INCOMPATIBILITY - MATERIALS TO AVOID:	None		
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO2, HCl, Trace Aromatics		
HAZARDOUS POLYMERIZATION:	CO, CO2, HCl, Acetic Acid, Trace Aromatics		



SECTION 6. HEALTH HAZARD DATA	
ACUTE TOXICITY	
Oral Ingestion:	Not normally a route of exposure
Eye Contact:	Eye irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding
Skin Contact:	Skin irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding
Inhalation:	Respiratory irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding
First Aid Procedures:	Wash thoroughly with soap and water. Remove to fresh air if respiratory irritation occurs. If irritation persists, call a physician.
Chronic Toxicity:	No chronic effects due to exposure are known.
SECTION 7. SPILL OR LEAK PROCEDURES	
Steps To Be Taken In Case Of Spill:	Dispose in approved landfill
Disposal Method:	Bury or incinerate in accordance with Federal, State and Local Codes. Not defined as hazardous by current provisions of RCRA
SECTION 8. SPECIAL PROTECTION INFORMATION	
Ventilation:	Local exhaust, especially if irritation occurs
Respiration Protection:	Not normally necessary
Protective Clothing:	Wear gloves when handling hot material
Eye Protection:	Not normally necessary
Other Protective Equipment:	Not normally necessary
SECTION 9. SPECIAL PRECAUTIONS OR OTHER COMMENTS	
Precautions To Be Taken In Handling and Storage:	
	In operations such as heat welding or thermoforming involving heat sufficient to cause melting of the polymer, irritating fumes may be evolved. Adequate ventilation should be provided.
Other Precautions:	Avoid inhalation of processing fumes
THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY, EXPRESS OR IMPLIED IS MADE	

Source: Seaman Corporation <http://www.xr-5.com/products.html>