TECHNICAL DATA SHEET

Speedi-Berm™

FOLDING-FRAME DIKE SYSTEM

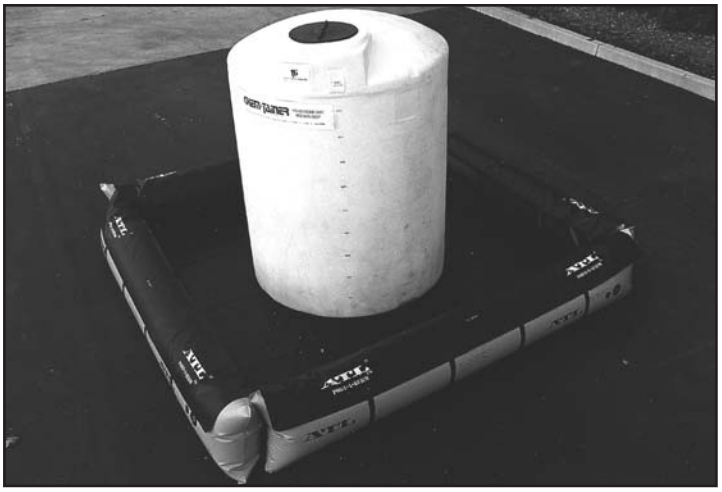
NEW

Don't Risk It BERM IT! ATL

PORT-A-BERM™

INFLATABLE DIKE SYSTEM

Fast, Portable Secondary Containment



ATL® Speedi-Berm ™ ATL® Port-A-Berm ™

SECTION A: General Chemical Resistance (seven day maximum exposure at room temperature) Speedi-Berm and Port-A-Berm liner materials:

A = LITTLE OR NO EFFECT		B = MINOR TO MODERATE EFFECT		C = SEVERE EFFECT	
Acetic Acid (5%)	B	JP-4 Jet Fuel	A	Sodium Phosphate	A
Ammonium Hydroxide (Conc.)	A	Kerosene	A	Sulphuric Acid (50%)	A
Ammonium Phosphate	A	Linseed Oil	A	Tanic Acid (50%)	A
Animal Oils	A	Magnesium Chloride	A	Tolulene	B
ASTM Fuel A&B	A	Magnesium Hydroxide	A	Transformer Oil	A
Aqua Regia	C	Methyl Ethyl Ketone	C	Turpentine	A
Benzine	B	Mineral Spirits	A	Urea Formaldehyde	A
Calcium Chloride Soln.	A	Motor Oil	A	Vegetable Oil	A
Calcium Hydroxide	A	Naptha	A	Water (200°F)	A
Chlorine Solution (20%)	A	Nitric Acid (5%)	B	Xylene	B
Corn Oil	A	Nitric Acid (50%)	C	Zinc Chloride	A
Crude Oil	A	Perchloroethylene	C		
Diesel Fuel	A	Phenol	C		
Ethyl Acetate	C	Phenol Formaldehyde	B		
Ethanol	A	Phosphoric Acid (50%)	A		
Furfural	C	Phthalate Plasticizer	C		
Gasoline	B	Potassium Chloride	A		
Glycerine	A	Potassium Sulphate	A		
Hydraulic Fluid (Mineral)	A	Salt Water (15%)	A		
Hydrochloric Acid (50%)	A	Sea Water	A		
Hydroflouric Acid (50%)	A	Sodium Acetate Solution	A		
Hydroflourosilic Acid (30%)	A	Sodium Bisulphate Solution	A		
Isopropyl Alcohol	A	Sodium Hydroxide (60%)	A		

THE ESSENTIAL HAZMAT TOOLS

DS 499

SECTION B: BASIC INFORMATION
ATL "SPEEDI-BERM" AND "PORT-A-BERM"
THE ULTIMATE HAZ-MAT TOOLS

Speedi-Berm and **Port-A-Berm** are highly portable and uniquely effective "dikes" which prevent loss of toxic or flammable liquids in the event of a tank failure, a spill or a leak. These systems are self-supporting "ponds" with special chemical-resistant reinforced liners. **Speedi-Berm** and **Port-A-Berm** help protect the soil, surface water, ground water and personnel from exposure to contaminated soils, toxic wastes, solvents, fuels and other hazardous liquids and powders.

Most any primary storage container can be protected within a **Speedi-Berm** or **Port-A-Berm** including: plastic tanks, drums, bottles, barrels, rubberized tanks, metal tanks, tank trucks and even aircraft! In addition to their broad-range chemical resistance, the **Speedi-Berm** and **Port-A-Berm** feature outstanding tolerance of sunlight, rain, hail and temperature extremes. Hence, both systems may generally be used outdoors as well as indoors.

ATL incorporates two specialized flexible composites into its Berm systems. the first is a polymer-fabric "sandwich" material used for the four air inflation tubes on **Port-A-Berms**. Their construction exhibits excellent puncture and abrasion resistance together with a very low gas diffusion factor. Make-up air is, therefore, rarely required.

The second "sandwich" or laminated composite is the berm liner itself. Anti-puncture and chemical immunity are its primary qualities, with flexibility and temperature resistance running close seconds. During 7-day emergency trials, the **Speedi-Berm** and **Port-A-Berm** liners demonstrated an unusually broad resistance to acids, alkalies, alcohols, glycols, petroleum, chlorine, aromatics, steam and most industrial solvents.

Many **Speedi-Berms** and **Port-A-Berms** are now seeing duty as portable work stations for decontamination (DECON) operations, PCB transformer oil removal, and as "catch basins" during repairs of machinery, vehicles and aircraft. The **Speedi-Berm** and **Port-A-Berm** have also proven ideal as temporary holding lagoons, settling basins and evaporation ponds. Draining of collected liquids is accomplished by siphon, pump, sorbants or through an optional drain fitting.

For use outdoors in windy environments, the **Port-A-Berm** air tubes may be 25% filled with water before inflation. Alternatively, an optional tent peg arrangement is available for securing both the **Speedi-Berm** and the **Port-A-Berm** in high winds.

Port-A-Berm inflation is easily accomplished with the a low pressure fan, blower, foot pump or vehicle exhaust. Standard equipment includes a filling nozzle which couples to each tube's inflation valve and incorporates a 2 psi pressure relief feature. Each of the four **Port-A-Berm** tubes is outfitted with its own redundant relief valve to further protect against over-pressurization. ATL also offers a very handy Electric Inflator (Part # 203107) which operates on 110 V AC and inflates or deflates the **Port-A-Berm** air tubes very quickly and safely.

One end-tube may be deflated and covered to allow roll-on or drive-on access for vehicles and materials. Simply reinflate that tube and your berm protection is complete. Similarly, **Speedi-Berm** ends may be folded down for easy roll-on, roll-off of wheeled equipment and motor vehicles.

The folowing pages better describe how to use and re-use **Speedi -Berm** and **Port-A-Berm** secondary containment dikes.

SECTION C: **USE AND RE-USE OF A T L'S SECONDARY CONTAINMENT DIKES SPEEDI-BERM ™ (S-B) & PORT-A-BERM ™ (P-A-B)**

1) **Speedi-Berm (S-B)** and **Port-A-Berm (P-A-B)** may be set up on asphalt, concrete, sand or soil if the surface is well groomed and level. Rough or irregular terrain should be graded and covered with geotextile mat before deploying the **S-B** or the **P-A-B**. Be certain the underlying surface is sufficient to support intended loads without shifting or damaging the **liner.**

Speedi-Berm (S-B)

Port-A-Berm (P-A-B)

2) **P-A-B** employs four separate air chamber tubes to form the inflatable berm or dike. These are positioned within the liner retention loops and filled with air using the inflation nozzle provided. Use a high volume, low pressure and non-sparking air source. Both the nozzle and each tube are equipped with a 2.0 psi relief valve to prevent over-pressurization.

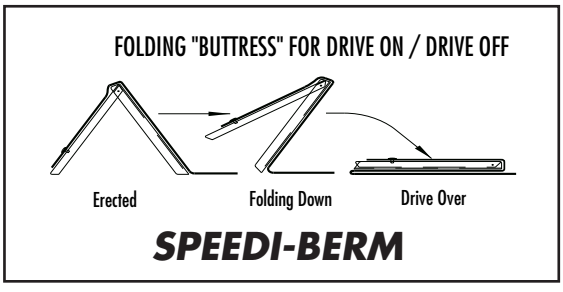
3) **S-B** is easily laid out, face up. Then, with a pull and shake on each side flap, the spring-loaded, folding-frame "buttresses" deploy. Set-up time is nearly "instant".

4) If abrasive equipment is to be placed within the **S-B** or **P-A-B** liner, a protective "Type R" sheet, track belting or plywood panels should first be laid out inside.

5) **S-B** and **P-A-B** are temporary holding media for short to moderate term containment. Chemical resistance data is based on an exposure limit of 7 days duration. Material samples are available for customers' immersion testing. Spills collected within a **S-B** or **P-A-B** should be neutralized or transferred to permanent containers promptly.

6) The **P-A-B** air inflation tubes are constructed of a special reinforced elastomer laminate. This material is designed to provide abrasion resistance, low temperature flexibility and excellent air retention (low diffusion). However, these inflation tubes do not exhibit quite the same outstanding chemical resistance as the unique **P-A-B** black liner material. Avoid prolonged contact between the inflation tubes and any strong acids, alkalies or ketones.

7) Before folding and storing, the **Speedi-Berm** or **Port-A-Berm** liner should be thoroughly scrubbed, rinsed and dried.

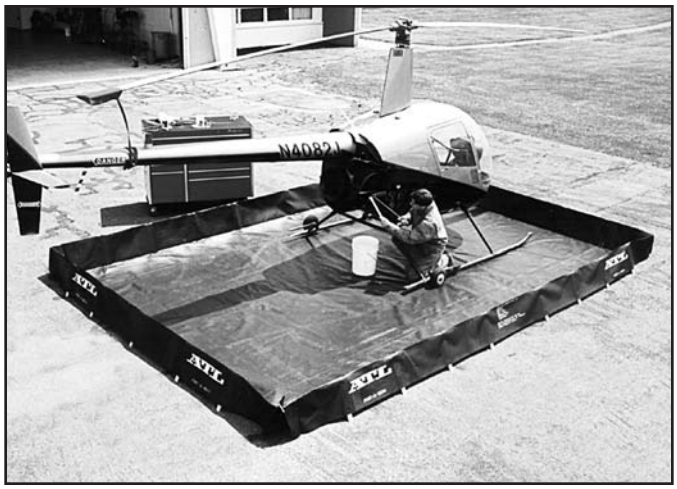


Collapsible, Foldable, Portable, Storeable, Valuable!

(8) The deployed **S-B** or **P-A-B** is fully effective from -20° F to 140° F. However, folding and unfolding during packing and set-up operations should be performed at 40° F to 120° F to minimize fabric stress.

(9) In high wind environments, it is advisable to fill each **P-A-B** tube 25% with water and the balance with air or nitrogen. Some make-up air may be necessary due to gas dissolution in water. **S-B's** may be weighted with sand bags or tied down with tent pegs.

(10) Rain water, snow, dirt etc. should be promptly and regularly removed from the **S-B** or **P-A-B** to maximize spill retention volume. Optional bottom drains can be installed.



Speedi-Berm (S-B)

Port-A-Berm (P-A-B)

(11) To speed deflation, **P-A-B** tubes may be suction scavenged with a vacuum or blower. The optional A T L blower is a 1/2 HP, 80 cfm unit which operates on 110 VAC and provides both rapid inflation and deflation (Part # 203107).

(12) The **S-B** and **P-A-B** liners may be "over-lined" with thin disposable polyethylene sheeting. This procedure is viable in many cases to eliminate cleaning and drying the primary liner after a spill.

(13) Both **S-B** and **P-A-B** are available with a special 2-ply H-D liner. These berms are intended to collect spills and overflow from wheeled vehicles, tank trucks, ISO tank-containers and light aircraft which can be rolled or driven onto the liner.

(14) Custom sized **S-B** and **P-A-B** systems are available on special order. Heights to 50 inches and lengths up to 100 feet are possible for a 300,000 gallon maximum capacity !

CONTAINS:
Trucks,
Trailers,
Tank Wagons,
ISO Tanks,
Frac Tanks,
Aircraft,
You Name It!

Section D: A T L ® Speedi-Berm ™ Technical Specifications

Part Number	Units	155100	155102	155104	155108	155112	155118	155128	155133	155139
Inside Dimensions (Nominal)	(FT)	3x3	4x4	6 x 6	9x9	14 x 12	18 x 14	25 x 14	40 x 14	65 x 18
	(M)	.9x.9	1.2x1.2	1.8 x 1.8	2.7x2.7	4.3 x 3.6	5.5 x 4.3	7.6x4.3	12.1x4.3	19.8x5.5
Outside Dimensions (Nominal)	(FT)	5x5	6x6	8 x 8	11x11	16 x 14	20 x 16	27 x 16	42 x16	67 x 20
	(M)	1.5x1.5	1.8x1.8	2.4 x 2.4	3.3x3.3	4.9x 4.2	6 x 4.8	8.2 x 4.8	12.8 x 4.8	20.4 x 6.1
Height (Nominal)	(FT)	1	1	1	1	1	1	1	1	1
	(M)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number Of Supports		8	8	12	16	24	30	38	52	84
Maximum Capacity	(Gal)	80	135	290	640	1300	1950	2700	4300	8900
	(Ltr)	300	520	1120	2470	5040	7500	10,350	16,500	34,380
Aproximate Weight	(Lbs)	25	30	50	65	100	140	175	250	450
	(Kg)	12	13.5	22.5	29.5	45	64	79	114	205
Liner Thickness (Avg)	(In)	.04	.04	.04	.04	.04	.04	.08	.08	.08
	(Mm)	1	1	1	1	1	1	2	2	2
Double Liner		Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard	Std.
Ground Cloth		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Opt.
Shipping Weight (Approx)	(Lbs)	35	40	65	80	125	145	250	460	675
	(Kg)	16	18	30	36	57	68	114	210	307
Shipping Cube (Approx)	(Cu Ft)	7.0	7.0	9	9	13	18	22	44	51
	(Cu M)	0.19	0.19	0.25	0.25	0.35	0.5	0.63	1.24	1.44
Shipping Container Type		Corrugated	Corrugated	Tri-Wall	Tri-Wall	Tri-Wall	Tri-Wall	Wood	Wood	Wood

Options :

- Double (2- Ply) Liner
- Protective Anti-Abrasion Ground Cloth
- Track Belting, Interior Protection
- Carrying Case
- Field Repair Kit & Spare Parts
- Bottom Drain Fitting

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Section E : ATL® Port-A-Berm™ Technical Specifications

Part Number	Units	158106	158111	158119	158121	158134	158155	158164	158170	158238	158245
Inside Dimensions (Nominal)	(FT)	10 x 10	13 x 13	18 x 18	24 x 24	32 x 32	45 x 16	65 x 16	50 x 22	32 x 32	74 x 34
	(M)	3.0 x 3.0	3.9 x 3.9	5.4 x 5.4	7.2 x 7.2	9.6 x 9.6	13.5 x 4.8	19.5 x 4.8	15 x 6.6	9.6 x 9.6	22.2x 10.2
Outside Dimensions (Nominal)	(FT)	13 x 13	16 x 16	21 x 21	27 x 27	35 x 35	48 x 19	68 x 19	53 x 25	38 x 38	80 x 40
	(M)	4.0 x 4.0	5.0 x 5.0	6.4 x 6.4	8.2 x 8.2	10.7 x 10.7	14.6 x 5.8	20.7 x 5.8	16.6 x 7.6	11.6 x 11.6	24 x 12
Height (Nominal)	(FT)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3
	(M)	.45	.45	.45	.45	.45	.45	.45	.45	.9	.9
Maximum Capacity	(Gal)	1000	1800	3400	6100	10800	7600	11000	11600	21600	53400
	(L)	3800	6800	12,900	23,100	40,880	28,770	41,635	43,900	81,760	202,120
Aproximate Weight	(Lbs)	85	115	140	285	385	500	785	680	580	1180
	(Kg)	39	52	64	129	175	227	356	308	263	535
Air Volume (Avg.)	(Cu Ft)	70	80	130	170	230	220	290	260	920	1500
	(Cu M)	2.0	2.3	3.7	4.8	6.5	6.2	8.2	7.4	26	42.4
Liner Thickness (Avg.)	(In)	0.04	0.04	0.04	0.04	0.04	0.08	0.08	0.08	0.04	0.04
	(Mm)	1	1	1	1	1	2	2	2	1	1
Double Liner		Optional	Optional	Optional	Optional	Optional	Standard	Standard	Standard	Optional	Optional
Shipping Weight (Approx.)	(Lbs)	95	130	170	310	490	600	885	780	675	1350
	(Kg)	43	59	77	140	222	272	401	354	306	612
Shipping Cube (Approx.)	(Cu Ft)	9	18	22	22	44	44	51	51	44	87
	(Cu M)	0.25	0.51	0.62	0.62	1.2	1.2	1.4	1.4	1.2	2.5
Shipping Container		Tri-Wall	Tri-Wall	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood

Options :

- Double (2-Ply) Liner
- Protective Anti-Abrasion Ground Cloth
- Track Belting, Interior Protection
- Bottom Drain Fitting
- High Volume Air Inflator
- Carrying Case
- Field Repair Kit
- Spare Nozzles & Valves

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