

AFFORDABLE SOLUTIONS FOR RF/EMI

Radio Frequency and Electromagnetic interference (RF and EMI) makes it difficult to develop, test and produce electronic and wireless devices. Shield your design and testing spaces

with Select Fabricator's Select-a-Shield RF/EMI shielded enclosures (patent pending), wireless device shielding pouches, and shielded curtains.



SELECT uses advanced materials and the highest quality production standards in the industry. US made, RoHS compliant Nova Select™ material is a durable, lightweight, Silver/Copper/Nickel plated, rip-stop nylon fabric. SELECT forms this highly flexible material into any size and shape, creating an almost endless range of application solutions.

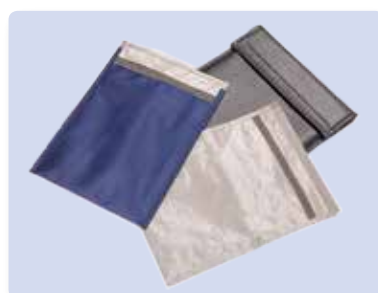
Select-A-Shield Enclosures

Looking for setup space for a much needed RF isolation chamber? SELECT has a full line of portable RF/EMI enclosures from tabletop to warehouse size.



Select-A-Shield Pouches

Use SELECT pouches to protect information, transport digital devices securely and prevent cellphones, PDA's smartphones, laptops and/or GPS units from logging on to active networks.



ENDLESS RANGE OF SHIELDING SOLUTIONS

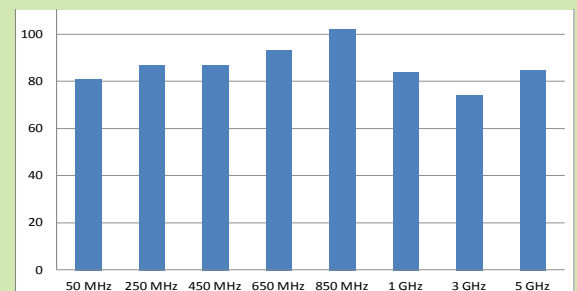
No matter what your shielding need or configuration requirements, SELECT has the widest array of solutions at maximum isolation. Products range from RF/EMI shielding curtains; to portable room and tabletop enclosures to small pouches in flexible, rigid and unique shapes.

Our exclusive Select-a-Shield™ symbol is your guarantee that you will get the performance you're looking to achieve.



SHIELDING EFFECTIVENESS (SE) OF NOVA SELECT FABRIC

SE Of Nova Select Fabric In dB



*Tested in accordance with Modified Mil. Std. 285

> -85 dB average SE in the range of 30 MHz to 1 GHz

> -80 dB average SE in the range of 1 GHz to 11 GHz

*Contact SELECT for additional test data.

Industries Served	Technology Sectors
Commercial Wireless	Wireless Device Testing
Industrial Wireless	802.11a/b/g/n Commercial - Enterprise, WLAN, WiFi
Automotive	3G, 4G, LTE, Cellular, Bluetooth, Zigbee, Mesh
Aerospace & Defense	LF / UHF RFID
Cellular Forensics	Secure Communications / SCIF
Computer Forensics	Satellite Communications
Homeland Security	EMC Pre-compliance
Law Enforcement	Medical Equipment Shielding
Military	

Select-A-Shield™ RF/EMI Shielding Products



RF/EMI SHIELDING ENCLOSURES



Portable enclosures provide economical, on site versatility at a fraction of the cost of fully welded metal enclosures.

Select-A-Shield enclosures deliver a solution that is truly portable with on-the-fly setup – from large room-size enclosures to small tabletops. RoHS compliant conductive fabrics, patent-pending nonradiating closure systems, frames, shielded vents and filter plates are combined in state-of-the-art designs for testing, signal isolation, forensics and security.

RF/EMI SHIELDING CURTAINS



Solve your confined area shielding challenges with custom configured panels. Ideal for stationary or mobile

applications where a complete enclosure is not required. SELECT has developed specialized RF/EMI shielding partitions or curtains that can be used to create your own unique shielding environment.

RF/EMI SHIELDING POUCHES



Secure portable transceivers from RF and microwave interference and/or emissions. Lightweight

and flexible, Select-a-Shield pouches are made to absorb and reflect signals, preventing them from entering or leaving electronic devices.

STANDARD FEATURES ON SELECT-A-SHIELD ENCLOSURES

- Sizes available from 12”L x 12”W x 12”H to 100’L x 100’W x 60’H.
- Enclosure: Manufactured using SELECT’s Nova Select conductive fabric and exclusive, patent pending door system.
- Double Layer Enclosure -78 dB average shielding effectiveness from 150 kHz to 18 GHz
- Single Layer Enclosure SE: -66 dB average shielding effectiveness from 150 kHz to 18 GHz
- External Framing: Available in three frames.
 - Series 100 Easy-up steel frame
 - Series 300 Custom rectangular heavy-duty aluminum frame
 - Series 500 Custom round heavy-duty aluminum frame
 - Series 600 Custom round heavy-duty aluminum frame (Tabletop only)Series 300 & 500 are both fully customizable for sizes up to 100’L x 100’W X 60’H.
- Floor: Two layers of heavy-duty black tarp protect the conductive floor.

- Cable Sleeve: Includes one shielded cable sleeve for nonconductive cable insertion or attachment point for RF filtered grounding box.
- Enclosure Storage Bag: All enclosures come standard with a storage bag for protection when in transit or not in use.

Options

- ESD white interior liner
- Frame roller bags and hard plastic cases
- LED interior perimeter lighting or EMI hardened string lights
- Ventilation and A/C
- Shielding effectiveness testing & report
- Cleaning in SELECT’s on-site ISO Class 6(class 1000) cleanroom
- Standard and custom IO Filter Plates for power and data
- Filter Boxes

MULTIPURPOSE SHIELDING PARTITIONS

Select-a-Shield Curtains have aided customers to:

- Shield unprotected windows
- Protect personnel & equipment from radiated electromagnetic exposure
- Safeguard radar assemblies with EM reflective covers
- Improve RFID scan accuracy through use of shielding strip curtains mounted outside scanner tunnels, tool cribs and more



Solve your confined area shielding challenges with custom configured panels.

RF/EMI Shielded Curtain Design Options include

- Single or double layer
- ESD white interior layer
- Grounding straps

- Copper Foil Tape
- Cleaning to IEST-STD-CC1246D
- Attachment options: Magnets, Grommets, Hook & Loop, Curtain Roller Track

DEVICE CONTAINMENT FOR FACILITIES AND FORENSICS

Select-A-Shield RF/EMI shielding pouches are manufactured using double layer conductive silver/copper/nickel RoHS compliant fabric.

- Field tests have shown an 99.99% average signal attenuation.
- Base material has an average SE of -85 dB in the range of 30 MHz to 1 GHz and -80 dB in the range of 1GHz to 11 GHz.

- Standard sizes for many electronic devices are available.
- Custom sizes from 1.5”x 3” to 48” x 48” can be designed to fit your needs.
- Options: clear plastic pocket, hanging loop, RF shielding window for ventilation and/or visibility, and custom I/O connector plates



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MOBILE ENCLOSURES OFFER ADVANTAGES OVER HARDWALL

SELECT's high performing mobile shielded enclosures are available at a fraction of the cost of fully welded metal enclosures and provide a solution that is truly portable with on-the-fly setup. Prototype and pre-compliance testing of electronic and wireless devices, temporary EMI shielding, and secure

communications all need on-site, economical shielding. In tune with market needs, SELECT realized the need for portable, high performing RF/EMI shielded enclosures. In response, SELECT developed a US made material to manufacture room-sized enclosures with optimum attenuation.



VIRTUALLY ANY SIZE

Standard Sizes range from table top enclosures to 9' x 19' x 10' free standing enclosures. Larger custom designed sizes can also be produced to meet your critical specifications.



OPTIMUM PROTECTION

Manufactured using SELECT's RoHS compliant silver/copper/nickel conductive fabric and our exclusive, patent-pending door system. The double magnet strip closure delivers maximum isolation.



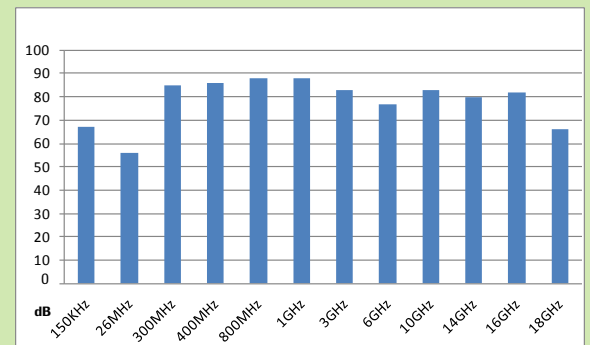
WHEN YOU HAVE TO SHIELD . . . SELECT

Enclosure Construction

- Double Layer Enclosure SE: -78 dB average from 150 kHz to 18 GHz (See chart below).
- Single Layer Enclosure SE: -66 dB average from 150 kHz to 18 GHz



*Average Shielding Effectiveness
Double Wall Enclosure with ESD Liner**



*Tested in accordance with IEEE Std. 299-2006

Industries Served	Technology Sectors
Commercial Wireless	Wireless Device Testing
Industrial Wireless	802.11a/b/g/n Commercial - Enterprise, WLAN, WiFi
Automotive	3G, 4G, LTE, Cellular, Bluetooth, Zigbee, Mesh
Aerospace & Defense	LF / UHF RFID
Cellular Forensics	Secure Communications / SCIF
Computer Forensics	Satellite Communications
Homeland Security	EMC Pre-compliance
Law Enforcement	Medical Equipment Shielding
Military	

RF/EMI Shielding Portable Enclosures



Simple to set up, with lightweight pop-up or semi-permanent frames.

SERIES 100



Easy-up steel frame. From 8' x 8' to 10' x 20' with adjustable height.

Custom sized enclosures are available. See chart to the right for standard sizes.

SERIES 300



Rectangular heavy-duty aluminum frame. Custom frame sizes up to 100' x 100' x 60'. No drilling required. Reduced assembly-time with no screws or nuts. Only a simple Allen Key 4 A/F necessary. Max. static load: 6000 N.

SERIES 500



Round heavy-duty aluminum frame. The easy "socket connection principle" of the internal tension system reduces construction assembly to a minimum. A connection is established effortlessly by simply tightening a clamping screw.

PATENT-PENDING DOOR



Exclusive, patent-pending door system features a double magnet strip closure to deliver maximum isolation. Reduces RF/EMI leakage for enhanced performance.

I/O FILTER PLATE



Choose from an integrated I/O Filter Plate or Filter Box. Provides a power line and optional filtering for Ethernet and USB. Custom multiple filter and connector options are also available which can include: SMA, BNC and Fiber Optics, etc.

SPECIFICATIONS

All enclosures are made in the USA of US materials.

- Standard sizes and configurations from tabletop to 10' x 20' x 11' 7".
- Custom sizes designed to your requirements up to 100' x 100' x 60'.

Standard enclosure includes:

- Conductive floor between two layers of heavy-duty tarp
- 40" x 54.5" double magnet door on the length side (patent-pending)
- Cable sleeve
- Enclosure Storage Bag: All enclosures come with a storage bag for protection when in transit or not in use.

OPTIONS:

- Cleaned in SELECT's on-site ISO Class 1000 cleanroom.
- Door Upgrade to 5' x 5'
- ESD white interior liner
- Filter plates
- Filter boxes
- Cable sleeves
- Frame roller bags and hard travel cases
- LED interior perimeter lighting or EMI hardened stringed lights
- Testing of completed enclosure
- Ventilation and A/C
- Vestibule

SERIES 100 Sizes

Part Number	Enclosure Size			Frame Size		
	Length (feet)	Width (feet)	Height (feet)	Length (feet)	Width (feet)	Height (feet)
100-080808	7'	7'	6' 6"	8'	8'	8'
100-080810	7'	7'	8'	8'	8'	9' 7"
100-101008	9'	9'	6' 6"	10'	10'	8'
100-101010	9'	9'	8'	10'	10'	9' 7"
100-101508	9'	14'	6' 6"	10'	15'	8'
100-101510	9'	14'	8'	10'	15'	9' 7"
100-102008	9'	19'	6' 6"	10'	20'	8'
100-102010	9'	19'	8'	10'	20'	9' 7"
100-102012	9'	19'	10'	10'	20'	11' 7"



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HIGH PERFORMING TABLETOP ENCLOSURES ARE LIGHTWEIGHT, EASY TO TRANSPORT

Control RF/EMI interference by using Select-A-Shield™ RF/EMI portable tabletop enclosures. Select Fabricators, Inc. offers updated features that improve efficiency in a smaller package without sacrificing effectiveness.

Portable and more cost effective than rigid metal boxes, Select-A-Shield tabletop enclosures deliver maximum isolation plus they are easy-to-assemble, easy to move, and easy to store for optimum versatility.



Series 500 Tabletop Enclosure

ENHANCED PERFORMANCE

Exclusive, patent-pending door system features a double magnet strip closure to deliver maximum isolation. Reduces RF/EMI leakage for enhanced performance.



INTEGRATED FILTER PLATE

Choose from an integrated I/O Filter Plate or Filter Box. Provides a power line and optional filtering for Ethernet and USB. Custom multiple filter and connector options are also available.



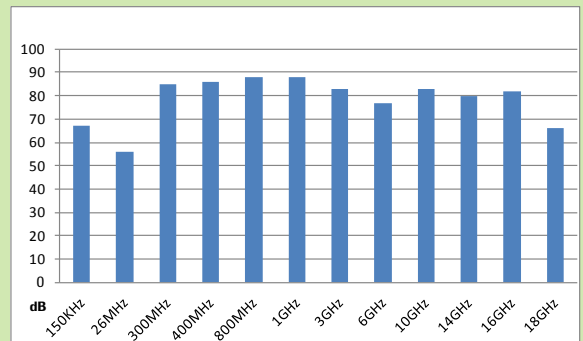
PORTABLE AND EFFECTIVE

Select-A-Shield tabletop enclosures are used in pre-compliance testing, secure communications as well as temporary RF/EMI shielding.



SELECT makes these enclosures in the USA of flexible, conductive material with an average of -85 decibels of shielding effectiveness in the range of 30 MHz to 1 GHz and an average of -80 decibels of shielding effectiveness in the range of 1 GHz to 11 GHz.

Average Shielding Effectiveness
Double Wall enclosure with ESD Liner*



*Tested in accordance with IEEE Std. 299-2006

Industries Served	Technology Sectors
Commercial Wireless	Wireless Device Testing
Industrial Wireless	802.11a/b/g/n Commercial - Enterprise, WLAN, WiFi
Automotive	3G, 4G, LTE, Cellular, Bluetooth, Zigbee, Mesh
Aerospace & Defense	LF / UHF RFID
Cellular Forensics	Secure Communications / SCIF
Computer Forensics	Satellite Communications
Homeland Security	EMC Pre-compliance
Law Enforcement	Medical Equipment Shielding
Military	

Select-A-Shield™ Tabletop Enclosures



MUFFIN FAN



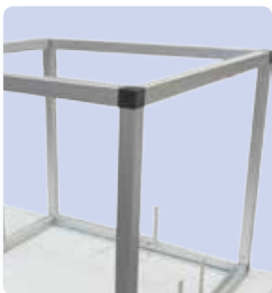
Ventilation provided by optional RF Shielded honeycomb vents, fan and stand unit. The unit is specifically designed to provide air circulation while suppressing unwanted RF/EMI interference.

SERIES 500



Round, heavy-duty aluminum frame. The easy “socket connection principle” of the internal tension system reduces construction assembly work to a minimum. A connection is established effortlessly by simply tightening a clamping screw.

SERIES 600



Square, heavy-duty aluminum frame. No drilling required. Reduced assembly-time with positive button hole locking connection.

OPTIONS

- Ventilation: two RF Shielded Honeycomb Vents, Fan and Stand Unit
- LED String Lighting
- Viewing Windows - RF Shielded
- Cable Sleeve
- Filter Plate with any of the following:
 - Bulkhead and Signal Connectors
 - Data and Signal Filter Connectors
 - DB 9 - USB
 - DB 15 - Ethernet
 - DB 25
 - Power – AC/DC
 - AC: 90-480 volts up to 100 amps
 - DC: 0-100 volts up to 20 amps

FEATURES

Select-A-Shield RF/EMI Tabletop enclosures are ideal for smaller applications or confined areas. Each features:

- Single or Double wall RF/EMI shielding enclosure
- Two heavy-duty aluminum frame styles (Series 500 or Series 600) with an adjustable strap attachment system
- Size Range: 24” x 24” x 24” to 4’ x 4’ x 6.5’ (61cm x 61cm x 61cm to 1.12m x 1.12m x 2m)
- Constructed with RoHS compliant, durable, lightweight Silver/Copper/Nickel fabric
- Floor design is conductive fabric between two layers of heavy duty tarp
- Lightweight for easy, lower cost shipping, transport and storage
- Selection of filter plates
- Storage bag

STANDARD SPECIFICATIONS

Frame Style	Enclosure Size			Enclosure Configuration
	Length (inches)	Width (inches)	Height (inches)	
Series 500 or Series 600	24”	24”	24”	Single or Double Wall
Series 500 or Series 600	36”	36”	36”	Single or Double Wall
Series 500 or Series 600	48”	48”	48”	Single or Double Wall
Series 500 or Series 600	36”	24”	24”	Single or Double Wall
Series 500 or Series 600	48”	24”	24”	Single or Double Wall
Series 500 or Series 600	48”	48”	78”	Single or Double Wall

Custom sizes are available. Contact us with your requirements.



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MULTIPURPOSE SHIELDING PARTITIONS

Select-a-Shield™ RF/EMI curtains are ideal for numerous confined area RFID shielding applications, pre-compliance testing, secure communications and temporary shielding situations.



SELECT has developed specialized RF/EMI shielding partitions or curtains that can be used to create your own unique shielding environment. Design projects include shielding unprotected windows, protecting personnel & equipment from radiated electromagnetic exposure, safeguarding radar assemblies with EM reflective covers, and improving RFID scan accuracy through use of shielding strip curtains mounted outside scanner tunnels.

Shielding effectiveness of SELECT RF/EMI curtain systems can be increased with proper grounding techniques and by minimizing or eliminating gaps that allow RF leakage.



MULTIPLE APPLICATIONS

Hang from the ceiling, suspend on a track, cover windows, use free-standing or create a partition or barrier; SELECT Curtains have a multitude of uses.

SELECT-A-SHIELD ASSURANCE

Select-a-Shield RF/EMI curtains are made in the USA of US materials including our proprietary RoHS compliant, lightweight Silver/Copper/Nickel fabric. This durable fabric has an average shielding effectiveness of -85 dB in the range of 30 MHz to 1 GHz and an average -80 dB in the range of 1 GHz to 11 GHz. State of the art metallic plating processes provide protection against galvanic corrosion and the finish coating eliminates stress cracking concerns.



** dB ranges are dependent on configuration and installation.*

Industries Served	Technology Sectors
Commercial Wireless	Wireless Device Testing
Industrial Wireless	802.11a/b/g/n Commercial - Enterprise
Automotive	3G, 4G, LTE, Cellular, Bluetooth, Zigbee, Mesh
Aerospace & Defense	LF / UHF RFID
Military	Warehouse, Logistics and Distribution Centers with RFID inventory control
	Tool Cribs with RFID inventory control
	Secure Communications / SCIF
	WiMax
	EMC Pre-compliance
	Medical Equipment Shielding

Multipurpose Shielding Partitions



SERIES 7000 – Freestanding and Ceiling Mounted Roller Track

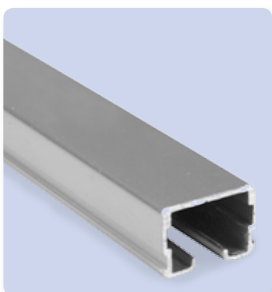


Heavy-duty steel frame and track components will support larger curtains and allows for a free standing option. Mounting brackets, track, connectors, and rollers can be combined to create almost any size curtain size system. Nylon parts are extremely durable and will not

rust or break. All nylon parts have UV inhibitors.

- Beam or Chain Support Mount: Attaches to a beam or any member immediately above the top level of the curtain.
- Ceiling Mount: Attaches directly to ceiling or any flat horizontal surface directly above the curtain.
- Floor Column (Free Standing): Permits erection of screens in any area.
- Threaded Rod Bracket: Use when no easily accessible structures are near the track. Threaded rod attaches to the ceiling heights significantly above the track system's.
- Wall Mount: Attaches to vertical surfaces. May be used with other mounting techniques.
- Beam Flange Connectors: Allows attachment of roof truss sections, beams, and channels. Secured with edge clamps and set screws.
- Nylon Roller with 1/2" hook
- Roller Track
- Radius Curved Track

SERIES 8000 – Ceiling Mounted Roller Track



Made from extruded aluminum with commercial clear coated Silver Satin finish with carriers, end stops, and other accessories for a complete, operational track system.

- Extruded aluminum track channel (1 3/8" x 1 3/16")
Track channel is either curved or straight in continuous lengths up to 16 feet.
- Two Wheel Cubicle Carriers made of two self-lubricating nylon wheels, nylon axle, tangle-free nylon swivel stem and hard nickel-plated steel hook to reduce jamming.
- Plastic End Cap with removable gate: Nylon cap has a removable gate to permit access to track carriers.
- Aluminum Splices
- 90° & 45° Bends: bends have an approximate 12" radius.

FEATURES

Select-A-Shield curtains and partitions can be customized to fit your requirements:

- Single or Double layer conductive fabric
- ESD (Electrostatic Dissipative) fabric layer(s)
- RF shielded ceiling covers
- Curtain attachment options:
 - Magnets
 - Grommets
 - Hook & Loop
- Roller Track System with curved or straight track
- Grounding Straps
- Copper Foil Tape
- Clean to IEST-STD-CC1246D
- RF shielded Vents

SERIES	OPTION
7000	 Beam or Chain Support Mount
7000	 Ceiling Mount
7000	 Floor Column (Free Standing)
7000	 Threaded Rod Bracket
7000	 Wall Mount
7000	 Beam Flange Connectors
7000	 Nylon Roller with 1/2" hook
8000	 Cubicle Track - extruded 6063 aluminum with commercial clear coated Silver Satin finish
8000	 C-240 Two Wheel Cubicle Carrier Extra Wide Body
8000	 C-215 Two Wheel Carrier with Chain
8000	 C-220 Plastic End Cap with Removable Gate
8000	 C-260 Plastic End Cap
8000	 C-235 Aluminum Splice



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RENTAL OFFERS LOW COST SHIELDING

Renting a SELECT Shielded Enclosure System is an excellent way to

inexpensively test an enclosure in your specific application environment. Or solve immediate testing requirements that can't wait. Rental is ideal for

- Just-in-Time Testing
- Pre-test Evaluation
- Short Duration Testing

Renting Can Be An Attractive Option

Renting can:

- Reduce costs for short-term shielding
- Reduces initial capital investment
- SELECT's Rent-to-Buy program offers a Purchase Credit – if purchased within one year of the date of rental.



These high performing, mobile RF/EMI shielded enclosures are a fraction of the cost of fully welded metal enclosures and provide a solution that is truly portable with on-the-fly setup. Made in the USA and equipped with proper ventilation and filtering to maintain isolation performance.

OPTIMUM PROTECTION

Manufactured using SELECT's RoHS compliant silver/copper/nickel conductive fabric and our exclusive, patent-pending door system. The double magnet strip closure delivers maximum isolation.



WHEN YOU HAVE TO SHIELD . . . SELECT

Look for the SELECT green shield as your assurance for optimum protection.

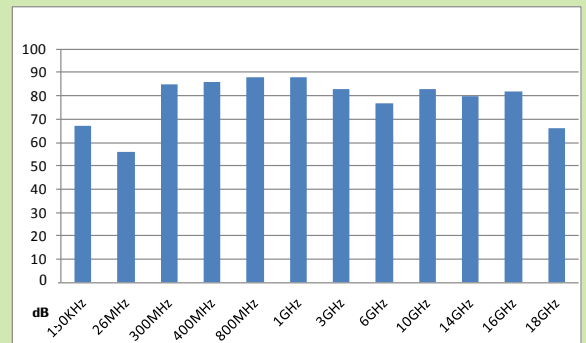


Enclosure Construction

- Double Layer Enclosure SE: -78 dB average from 150 kHz to 18 GHz.

The shielding effectiveness of a SELECT RF shielded enclosure is illustrated below.

*Average Shielding Effectiveness
Double Wall Enclosure with ESD Liner**



*Tested in accordance with IEEE Std. 299-2006

Industries Served	Technology Sectors
Commercial Wireless	Wireless Device Testing
Industrial Wireless	802.11a/b/g/n Commercial – Enterprise, WLAN, WiFi
Automotive	3G, 4G, LTE, Cellular, Bluetooth, Zigbee, Mesh
Aerospace & Defense	LF / UHF RFID
Cellular Forensics	Secure Communications / SCIF
Computer Forensics	Satellite Communications
Homeland Security	EMC Pre-compliance
Law Enforcement	Medical Equipment Eielding
Military	

*\$500 / **\$200 per month credit towards purchase within one year of rental.

Portable Enclosure Rental Systems



Simple to set up, with lightweight pop-up or semi-permanent frames.

EASY TO SETUP



The Series 100 Enclosure features an easy-up steel frame. The Series 500 frame is comprised of round heavy-duty aluminum with an easy “socket connection” internal tension system that keeps assembly to a minimum. The Series 600

Series 100

Enclosure features a square heavy-duty frame with a positive button hole locking connection.

PATENT-PENDING DOOR



Exclusive, patent-pending door system features a double magnet strip closure to deliver maximum isolation. Reduces RF/EMI leakage for enhanced performance.

I/O FILTER PLATE



Choose from an integrated I/O Filter Plate or Filter Box. Provides a power line and optional filtering for Ethernet and USB. Custom multiple filter and connector options are also available which can include: SMA, BNC and Fiber Optics, etc.

SHIPPING INFORMATION

FOB SELECT • UPS Standard Ground

Series 100 Enclosure: (7'x7'x6.5') Approximately 140 lbs. in two boxes: 42" x 21" x 19" and 52" x 13" x 13'.

Series 500 and Series 600 Enclosures: (3'x2'x2' and 4'x4'x6.5') Approximately 48 lbs. in one box: 42" x 21" x 19".

PAYMENT: First month's rental payment plus shipping both ways due with order. Billing every 30 days with agreement. Credit cards are accepted. *\$500 / **\$200 per month credit towards purchase within one year of rental.

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RENTAL ENCLOSURES INCLUDE:

- I/O Filter Plate RMEC0073 with 5 outlet Power Strip
- Custom plates available at an additional charge.
- Enclosure Carry Bag RMEC0010
- Deluxe Frame Roller Bag RMEC0047 (7'x7'x6.5' only)
- Vents, Fan 120 VAC/60 Hz RMEC0028 (except 3'x2'x2')
- LED Lights RMEC0023
- Complete Setup Instructions

RENTAL ENCLOSURE CONFIGURATIONS

Frame	Enclosure Size (L x W x H)	Frame Size (L x W x H)	Monthly Rental
Series 100 Frame	7' x 7' x 6.5'	8' x 8' x 8'	\$1,989.00*
Series 500 Frame	4' x 4' x 6.5'	5' x 5' x 7'	\$ 750.00**
Series 600 Frame	36" x 24" x 24"	42" x 30" x 27"	\$ 750.00**

SELECT ENCLOSURE'S SPECIFICATIONS

All enclosures are made in the USA of US materials.

Standard enclosure includes:

- Conductive floor between two layers of heavy-duty tarp
- 40" x 54.5" double magnet door on the length side (patent-pending)
- Cable sleeve
- Enclosure Storage Bag: All enclosures come with a storage bag for protection when in transit or not in use.

STANDARD FEATURES AND OPTIONS:

- Cleaned in SELECT's on-site ISO Class 1000 cleanroom.
- ESD white interior liner
- Filter Plates
- Filter boxes
- Cable sleeves
- Frame roller bags and hard plastic cases
- LED interior perimeter lighting or EMI hardened stringed lights
- Testing of completed enclosure
- Ventilation and A/C
- Vestibule



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RF/EMI PORTABLE ENCLOSURE OPTIONS

ENCLOSURE CONSTRUCTION OPTIONS

5' X 5' Door



ESD Liner



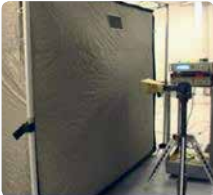
Part Number	Description
RMEC0021	5' x 5' I.D. (76" x 69.5" O.D.) Upgrade from Standard Door: 40" x 54.5" I.D. (58" x 64.5" O.D.)
RMEC0022	ESD Liner – White Electrostatic Dissipative liner on four walls and ceiling.

SERVICES

Cleanroom Services



Testing of Enclosure



Part Number	Description
RMEC0009	<u>Cleanroom Services</u> – Onsite ISO Class 7 (class 10000 cleanroom) and isolated area which is ISO Class 5 (Class 100 cleanroom)
RMEC0006	<u>Testing</u> of Completed Enclosure to IEEE Std 299™ – 2006 Standard Frequencies tested: 150 KHZ, 14, 26, 300 MHZ: .4, .8, 1, 3, 6, 10, 12, 14, 16, 18 GHz

TRANSPORTATION AND STORAGE

Canvas Carry Bag



Deluxe Roller Bag



Part Number	Description
RMEC0010	Canvas Carry Bag for enclosures 33" x 18" x 12.5"
RMEC0004	Canvas Carry Bag for enclosures 40" x 20" x 20"
RMMC0047	Series 100 Frame Deluxe Roller Bag – Up to 8'
RMMC0095	Series 100 Frame Deluxe Roller Bag – Up to 10'
RMMC0096	Series 100 Frame Deluxe Roller Bag – Up to 15'
RMMC0097	Series 100 Frame Deluxe Roller Bag–Up to 20'



The above options are designed for Select-A-Shield™ RF/EMI Shielded Enclosures.



RF/EMI PORTABLE ENCLOSURE OPTIONS

TRANSPORTATION AND STORAGE

Hard Case



Hard Case



Part Number	Description
3SKB-292-1MR	Hard Case for enclosure or frame: 29" x 21.5" x 17"
1780T	Hard Case for tent or frame: 42" x 22" x 15.1"

LIGHTING

EMI
Hardened
String Lights



Interior
perimeter
lighting
system



System consists of a two wire LED rope with a standard live feed (plug). Operates on 120 VAC, 60Hz.

Part Number	Description
RMEC0016	EMI Hardened String Lights - Lights will operate on 100-240 Volts at 50 to 60 Hz.
RMEC0023	Interior perimeter lighting system for a 7' x 7' enclosure
RMEC0024	Interior perimeter lighting system for a 9' x 9' enclosure
RMEC0025	Interior perimeter lighting system for a 9' x 14' enclosure
RMEC0026	Interior perimeter lighting system for a 9' x 19' enclosure

CABLE SLEEVES

Cable
Sleeves



Part Number	Description
RMEC0001	Cable Sleeve 4" x 3'
RMEC0008	Cable Sleeve 5" x 3'
RMEC0011	Cable Sleeve 6" x 4'

RF/EMI PORTABLE ENCLOSURE OPTIONS

FILTER OPTIONS

All power and metallic data cables entering an enclosure must be properly filtered to eliminate unwanted noise from conducted EMI. Choose from an integrated I/O filter plate or filter box. Provides a power line and optional filtering for Ethernet and USB. Custom multiple filter and connector options are also available which can include: SMA, BNC and fiber optics, etc.

Filter Box without Ethernet



Filter Box with Ethernet



Custom Filter Box



Filter Plate without Ethernet



Filter Plate with Ethernet



Blank Removable Plate



Part Number	Description
STE 2200M	Filter Box without Ethernet 0-250 VAC, 15 amp enclosure with 5-outlet power cord 120 VAC, 15 Amp- for power inside tent. (connects to tent cable I/O sleeve)
STE 2200ME	Filter Box with Ethernet Same as STE 2200M Plus Ethernet: (2) 100 PF DB9 RF Filtered connectors to filter (2) RJ45/DB9 Adapter Kits
Custom Filter Box	Filter Box with custom options: multiple filter & connector options: SMA, BNC, Fiber Optics, etc.
RMEC0073	Filter Plate without Ethernet 0-250 VAC, 15 amp wall-mounted removable plate with 5-outlet power cord 120 VAC, 15 Amp- for power inside tent.
RMEC0074	Filter Plate with Ethernet Same as above plus Ethernet: (2) 100 PF DB9 RF filtered connectors to filter (2) RJ45/DB9 Adapter Kits
RMEC0072	Blank Wall-Mounted Removable Plate
Custom Filter Plate	Filter Plate with custom options: multiple filter & connector options SMA, BNC, fiber optics, etc.

RF/EMI PORTABLE ENCLOSURE OPTIONS

VENTILATION

Vent Sleeve and Fan



SELECT strongly advises the use of a complete ventilation system or A/C unit with any enclosure that will contain people. All openings on the RF/EMI Shielding Enclosure must be completely sealed during operation for proper use including both layers of the door. Without ventilation (vents, fan and sleeve), the inside air temperature may rise due to the heat generated from the equipment and/or people inside. Also, without proper ventilation, the interior air quality may be affected due to a lack of air circulation,

Exhaust Vent



Ventilation System for Tabletop Enclosures



Part Number	Description
RMEC0028	Complete Vent System including installation: Intake/Exhaust Honeycomb vents: 11.9" x 6.2" two layer honeycomb with 90° orientation, protective grill, sleeve and fan.
RMEC0029	Ventilation System for Tabletop Enclosure – Honeycomb vents, square AC axial fan: Air Flow 30 CFM, Voltage Rating 115 Volts, Current Rating 0.13 Amp, Power Rating 12 Watts and fan stand

AIR CONDITIONING

Intake and exhaust EMI shielding honeycomb panels provide air circulation. Sleeves are installed for attachment of air conditioning units and fan to direct air into the tent.

Air Conditioning



Part Number	Description
RMEC0030	Air Conditioning: 2500 btu/125v HVAC unit ready for hookup with hoses, two honeycomb vents, and drip pan. Note: Includes ventilation system RMEC0028 (above). This unit combines the all season functionality of a heater, and air conditioner

Air Conditioning for Large Enclosures



RMEC0031	Air Conditioning for Large Tents: A base 6,300 btu air conditioner chassis with a louvered cabinet and vibration pads on the bottom for noise attenuation. The unit comes with a face plate that has collared connection for the supply and return ductwork that serve the tent. Requires 120V circuit and draws approx. 5 amps. Provided are 2 duct connections to transition from the face plate on the A/C unit to the openings of the RF vents. Hose connection and tubing coil to be installed onsite with provided hose clamp to an onsite drain. 2 honeycomb vents for A/C unit. Includes ventilation system RMEC0028
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Contact Select Fabricators Inc. for pricing on these options and any of our other USA made products and services including:

- Contract packaging & assembly
- Design & manufacture of RF/EMI shielding and mobile forensic products
- Medical device assembly, packaging, testing & sterilization sourcing
- Custom fabrication
- Military packaging
- Cleanroom assembly & services
- Industrial sewing
- Pad printing
- Ultrasonic Welding



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RF/EMI SHIELDING ENCLOSURE FILTER OPTIONS

STANDARD FILTER BOX



SELECT Filter Boxes provide a power line and optional filtering for Ethernet and USB. They can be ordered with the enclosure or can be easily installed later.



STANDARD FILTER BOX WITH ETHERNET



OTHER FILTER OPTIONS

Custom Filter Boxes can be configured to specifications.



Standard and custom IO Filter Plates for power and data are also available.



SELECT Filter Boxes are specifically designed to work with Select-A-Shield™ RF/EMI Shielded Enclosures.



STANDARD BOX CONTAINS:

- 0-250 VAC, 15 amp enclosure with 6-outlet power cord
120 VAC, 15 amp for power inside the enclosure
- RF Shielded Box with 2.5" tent flange pipe (connects to tent cable I/O sleeve)
- Power filtered via industrial filter mounted into box bulkhead (direct plug connection)
- Includes ground post

STANDARD WITH ETHERNET CONTAINS:

- Standard Box as above with Ethernet
- Two 100 PF DB9 RF filtered connectors to filter two RJ45/DB9 Adapter Kits

CUSTOM FILTER BOXES

- Filter Boxes can be configured to your specifications
- Portable filter unit can be customized to I/O line filter needs
- Connector options can include: SMA, BNC and fiber optics, etc.

Contact SELECT for a quote.

RJ45/DB9 ADAPTER KITS

- Adapter kits are available separately.

NOTE: All power and metallic data cables entering SELECT's RF/EMI shielding enclosures must be properly filtered to eliminate unwanted noise from conducted EMI.



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Select-A-Shield™ RF/EMI Shielding Pouches



LIGHTWEIGHT, FLEXIBLE AND HIGH PERFORMING

Select-A-Shield™ RF/EMI Shielding Pouches secure portable transceivers from RF & microwave interference and/or emissions.

Lightweight and flexible, these pouches are made to attenuate and reflect signals from entering or leaving electronic devices.



100% EFFECTIVE

Prevent cell phones, PDAs, smart phones, laptops and GPS units from logging on to an active network. Field tests have shown 99.99% average signal attenuation for Select-A-Shield pouches.



ANY SIZE, ANY APPLICATION

Standard sizes for many electronic devices are available. Custom sizes ranging from 1.5" x 3" to 48" x 48". Also available in a selection of styles and outer layer colors with several options.



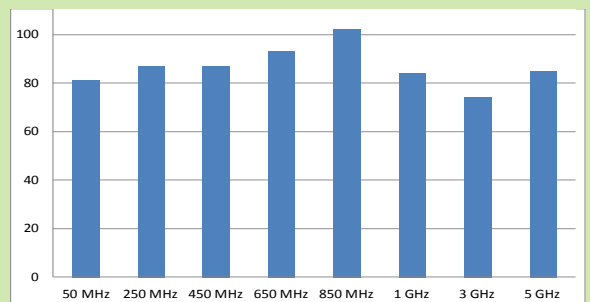
SELECT-A-SHIELD ASSURANCE

Look for the SELECT green shield as your assurance for optimum protection.



Select-A-Shield RF/EMI shielding pouches are US made with a double layer conductive silver/copper/nickel RoHS compliant material. Base material has average shielding effectiveness of -85dB in the range of 30 MHz to 1 GHz and an average -80dB in the range of 1 GHz to 11 GHz.

SE Of Nova Select Fabric In dB*



*Tested in accordance with Modified Mil. Std. 285

Industries Served	Technology Sectors
Commercial Wireless	Wireless Device Testing
Industrial Wireless	802.11a/b/g/n Commercial - Enterprise, WLAN, WiFi
Automotive	3G, 4G, LTE, Cellular, Bluetooth, Zigbee, Mesh
Aerospace & Defense	LF / UHF RFID
Cellular Forensics	Secure Communications / SCIF
Computer Forensics	EMC Pre-compliance
Homeland Security	Medical Equipment Shielding
Law Enforcement	
Military	

Select-A-Shield™ RF/EMI Shielding Pouches



SELECT POUCHES



Sport Nylon and standard Nova Select™ fabric options protect important data from corruption and tampering.



Pouches for electronic keys and credit cards prevent data from being accessed.



Padded vinyl carrying case available. (Shown with a digital tablet.)

A pouch for most any application with performance to rely on. Our application table can help you determine which pouch is best for your application.

- Sizes from 1.5" x 3" to 48" x 48"
- Single or double layer conductive fabric and/or sport nylon covering
- Prevent electronic devices from logging on to active networks.
- Field tests have shown an 99.99% average signal attenuation
- Options
 - Clear plastic pocket
 - Protective, padded, vinyl carrying case
 - Hanging loop
 - RF shielding window for ventilation and/or visibility
 - Custom I/O connector plates
 - Pad Printing / Screen Printing / Custom Embroidery

PART NUMBER	INTERIOR DIMENSIONS	CONSTRUCTION	APPLICATIONS
7066	2 5/8" Width x 4 1/4" Length	Double Layer Inside Single Strip Closure	Electronic Car Keys, RFID Devices
7070	3 1/4" Width x 4 1/4" Length	Double Layer Inside Single Strip Closure	Electronic Car Keys, RFID Devices, Credit Cards
RFSP	4" Width x 4" Length	Standard Rollover Closure	Electronic Car Keys, RFID Devices, Credit Cards
RFSP-TS	4" Width x 4" Length	Tight Seal Rollover Closure	Electronic Car Keys, RFID Devices, Credit Cards
RFSP-Cell-X2	3.875" Width x 6.625" Length	Double Rollover Closure	Portable devices - cell phones, pagers, iPhones, Blackberry
RFSP-Cell-X2SN	3.875" Width x 6.625" Length	Double Rollover Closure with durable and attractive royal blue Sport Nylon Cover	Portable devices - cell phones, pagers, iPhones, Blackberry
RFSP-PDA-X2	6.25" Width x 7.625" Length	Double Rollover Closure	Multiple Cell Phones, PDAs, Passports, GPS Navigation Units
RFSP-TABLET-X2	9.5" Width x 12.625" Length	Double Rollover Closure	Mobile tablet devices, iPads, RFID tagged documents
RFSP-TABLET-X2SN	9.5" Width x 12.625" Length	Double Rollover Closure with durable and attractive royal blue Sport Nylon Cover	Mobile tablet devices, iPads, RFID tagged documents
RFSP-LAPTOP-X2	16" Width x 12.625" Length	Double Rollover Closure	Laptop Computers, Multiple Cell Phones, PDAs, Blackberrys, or iPhones,
RFSP-LAPTOP-X2SN	16" Width x 12.625" Length	Double Rollover Closure with durable and attractive royal blue Sport Nylon Cover	Laptop Computers, Multiple Cell Phones, PDAs, Blackberrys, or iPhones,
RFSP-NOTEBOOK-X2	16" Width x 14.625" Length	Double Rollover Closure	Notebook Computers, Multiple Cell Phones, PDAs, Blackberrys, iPhones, Ultramobile PCs
RFSP C	Custom Sizes From 1.5" Width x 3" Length to 48" Width x 48" Length		Can be designed to fit your specifications.



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CONVENIENT MOBILE DEVICE CONTAINMENT FOR FORENSIC ASSESSMENT

Select-a-Shield™ forensic portable enclosures block electronic devices from accessing active wireless networks. Easy to assemble, these mobile enclosures

are the right choice for isolating multiple wireless communication devices including cell phones, smart phones, PDAs, tablets, GPS units, and laptop computers.



SELECT offers three standard portable RF shielded enclosures for use in digital forensics device containment and secure extraction. Popup frame, isolation door with magnetic closure, tent carry bag, conductive floor between two layers of heavy duty vinyl and a cable sleeve all come with an enclosure.



OPTIMUM PROTECTION

Manufactured using SELECT's RoHS compliant silver/copper/nickel conductive fabric and our exclusive, patent-pending door system. The double magnet strip closure delivers maximum isolation.

WHEN YOU HAVE TO SHIELD . . . SELECT

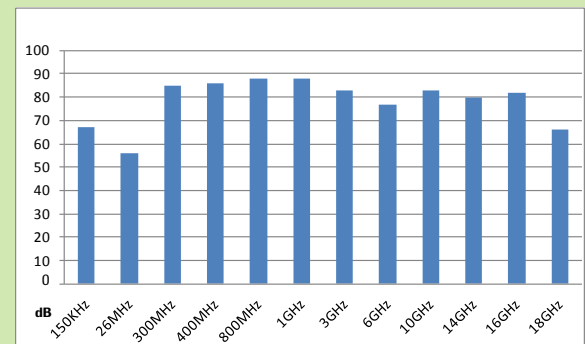
Look for the SELECT green shield as your assurance for optimum protection.



Enclosure Construction

- Double Layer Enclosure SE: -78 dB average from 150 kHz to 18 GHz (See chart below).

*Average Shielding Effectiveness
Double Wall Enclosure with ESD Liner**



*Tested in accordance with IEEE Std. 299-2006

Industries Served
Commercial Wireless
Industrial Wireless
Aerospace & Defense
Cellular Forensics
Computer Forensics
Homeland Security
Law Enforcement
Military

Applications
Mobile Device Forensics
Cyber Forensics
Secure Facilities and SCIFS
Government Facilities
Crime Scene Investigations
Industrial and Corporate Espionage
Fieldwork

Select-A-Shield™ Forensic Portable Enclosures



SELECT offers three standard portable RF shielded enclosures for use in digital forensics device containment and secure extraction. Popup frame, isolation door with magnetic closure, tent carry bag, conductive floor between two layers of heavy-duty vinyl and a cable sleeve all come with an enclosure. For special applications, SELECT also makes custom sized enclosures.

SERIES 100



Easy-up steel frame. Custom sized enclosures are available. See chart to the right for standard sizes.

SERIES 500



Round heavy-duty aluminum frame. The easy "socket connection principle" of the internal tension system reduces construction assembly to a minimum. A connection is established effortlessly by simply tightening a clamping screw.

PATENT-PENDING DOOR



Exclusive, patent-pending door system features a double magnet strip closure to deliver maximum isolation. Reduces RF/EMI leakage for enhanced performance.

IO FILTER PLATE



Choose from an integrated I/O Filter Plate or Filter Box. Provides a power line and optional filtering for Ethernet and USB. Custom multiple filter and connector options are also available which can include: SMA, BNC and Fiber Optics, etc.

SPECIFICATIONS

All enclosures are made in the USA of US materials.

- Standard sizes and configurations from tabletop to 10' x 10' x 8'.
- Custom sizes designed to your requirements up to 100' x 100' x 60'.

Standard enclosure includes:

- Conductive floor between two layers of heavy-duty tarp
- 40" x 54.5" double magnet door on the length side (patent-pending)
- Cable sleeve
- Enclosure Storage Bag: All enclosures come with a storage bag for protection when in transit or not in use.

OPTIONS:

- ESD white interior liner
- Filter Plates
- Filter boxes
- Cable sleeves
- Frame roller bags and hard plastic cases
- LED interior perimeter lighting or EMI hardened stringed lights
- Testing of completed enclosure
- Ventilation: two RF shielded honey-comb vents, fan and air sleeve
- Viewing Windows - RF shielded
- Vestible
- Filter Plate with any of the following:
 - Bulkhead and Signal Connectors
 - Data and Signal filter connectors
 - DB 9 - USB
 - DB 15 - Ethernet
 - DB 25
 - Power - AC/DC
 - AC: 90-480 volts up to 100 amps
 - DC: 0-100 volts up to 20 amps

SERIES 100 Sizes

Part Number	Frame Size			Enclosure Size			Enclosure Construction
	Length (feet)	Width (feet)	Height (feet)	Length (feet)	Width (feet)	Height (feet)	
100-080808 DW	8'	8'	8'	7'	7'	6' 6"	Double Wall
100-101008 DW	10'	10'	8'	9'	9'	6' 6"	Double Wall

SERIES 500 Size

500-050507 DW	5'	5'	7'	4'	4'	6' 6"	Double Wall
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ITAR registered - US Dept. of State - Office of Defense Trade Compliance



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ON LOCATION DIGITAL CONTAINMENT

Forensics Device Containment—Select-a-Shield™ RF/EMI Shielding Pouches prevent cell phones, PDAs, Smart phones, Laptops, and GPS units from getting or sending

signals on active networks. Data on these portable devices can be secured on site using Select-A-Shield high performance RF/EMI shielded pouches.



Select-A-Shield RF/EMI Shielding Pouches block portable electronic devices from accessing active wireless networks. Lightweight and flexible, these pouches are manufactured using SELECT's proprietary Silver/Copper/Nickel conductive fabric. Utilizing a double layer construction and conductive closure, these pouches are the right choice for capturing and containing any wireless communication devices including cell phones, smartphones, PDAs, tablets, GPS units, and laptop computers.

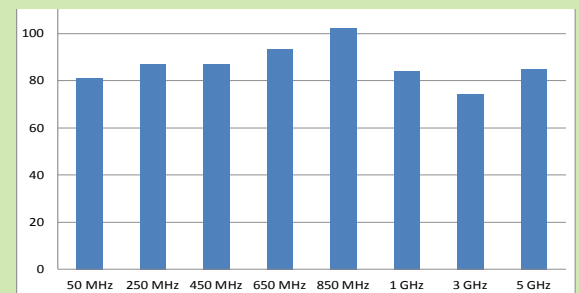
SELECT-A-SHIELD ASSURANCE

Look for the SELECT green shield as your assurance for optimum protection.



Select-A-Shield RF/EMI shielding pouches are US made with a double layer conductive silver/copper/nickel RoHS compliant material. Base material has average shielding effectiveness of -85dB in the range of 30 MHz to 1 GHz and an average -80dB in the range of 1 GHz to 11 GHz.

SE Of Nova Select Fabric In dB*



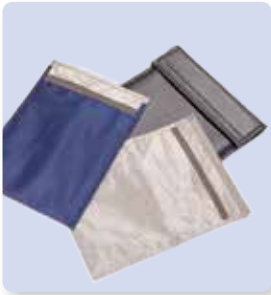
*Tested in accordance with Modified Mil. Std. 285

Industries Served	Applications
Commercial Wireless	Mobile Device Forensics
Industrial Wireless	Cyber Forensics
Aerospace & Defense	Secure Facilities and SCIFS
Cellular Forensics	Government Facilities
Computer Forensics	Crime Scene Investigations
Homeland Security	Industrial and Corporate Espionage
Law Enforcement	Fieldwork
Military	

RF/EMI Forensic Shielding Pouches



SELECT POUCHES



SELECT's RF isolation solutions block the ability of wireless portable electronic devices to access or transmit cellular signals that can potentially erase or corrupt important evidence.



An optional RF shielding window allows access for touch screen viewing and manipulation.



Standard sizes for many electronic devices are available. Also available in a selection of styles and Sport Nylon Cover with several options.



Options

- o Clear evidence tag pocket
- o Ballistic nylon exterior layer
- o RF shielding window for touch screen viewing and manipulation

FEATURES

- Reusable. Conductive material will maintain shielding performance for hundreds of captures.
- Single or double layer conductive fabric with optional sport nylon covering
- Prevent electronic devices from logging on to active networks
- Field tests have shown an 99.99% average signal attenuation

PART NUMBER	INTERIOR DIMENSIONS	CONSTRUCTION	APPLICATIONS
RFSP-Cell-X2	3.875" Width x 6.625" Length	Double Rollover Closure	Portable devices - cell phones, pagers, iPhones, Blackberry
RFSP-Cell-X2SN	3.875" Width x 6.625" Length	Double Rollover Closure with durable and attractive royal blue Sport Nylon Cover	Portable devices - cell phones, pagers, iPhones, Blackberry
RFSP-PDA-X2	6.25" Width x 7.625" Length	Double Rollover Closure	PDAs, Passports, GPS Navigation Units
RFSP-TABLET-X2	9.5" Width x 12.625" Length	Double Rollover Closure	Mobile tablet devices, iPads, RFID tagged documents
RFSP-TABLET-X2SN	9.5" Width x 12.625" Length	Double Rollover Closure with durable and attractive royal blue Sport Nylon Cover	Mobile tablet devices, iPads, RFID tagged documents
RFSP-LAPTOP-X2	16" Width x 12.625" Length	Double Rollover Closure	Laptop Computers, Multiple Cell Phones, PDAS, Blackberrys, or iPhones, Ultramobile PCs
RFSP-LAPTOP-X2SN	16" Width x 12.625" Length	Double Rollover Closure with durable and attractive royal blue Sport Nylon Cover	Laptop Computers, Multiple Cell Phones, PDAS, Blackberrys, or iPhones, Ultramobile PCs
RFSP-NOTEBOOK-X2	16" Width x 14.625" Length	Double Rollover Closure	Notebook Computers, Multiple Cell Phones, PDAs, Blackberrys, iPhones, Ultramobile PCs



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ATTAIN FAST & SECURE ON-SITE EVIDENCE COLLECTION

On-site mobile device data extraction is now a reality with Select Fabricators' SFP1215W2 Shielded Forensic Pouch.

More affordable than lab based non-portable metal enclosures, the SFP1215W2 allows for

hands-on manipulation of wireless devices in an RF tight environment making sure internal data is not compromised from moment of capture. There is no need to take the captured device back to the laboratory to view the internal memory.



ENHANCED VISUAL ACCESS

The see-through soft material window and USB 2.0 connection allows device manipulation in the field.



SECURE DATA ACCESS

The patent-pending USB 2.0 connector provides fast and secure evidence collection.



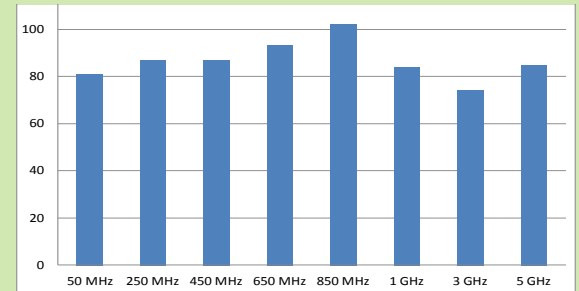
SELECT-A-SHIELD ASSURANCE

Look for the SELECT green shield as your assurance for optimum protection.



Select-A-Shield RF/EMI Shielding USB Pouches are US made with a double layer conductive silver/copper/nickel RoHS compliant material. The pouch has been tested and yields better than -75 dB, 99.95% RF Isolation from 500MHz to 6.0GHz.

SE Of Nova Select Fabric In dB*



*Tested in accordance with Modified Mil. Std. 285

Industries Served	Applications
Commercial Wireless	Mobile Device Forensics
Industrial Wireless	Cyber Forensics
Aerospace & Defense	Secure Facilities and SCIFS
Cellular Forensics	Government Facilities
Computer Forensics	Crime Scene Investigations
Homeland Security	Industrial and Corporate Espionage
Law Enforcement	Mobile Device Extraction:
Military	Cell Phones
	Smartphones
	Tablets
	GPS
	Fieldwork

Shielded USB Forsenic Pouch



ANY DIGITAL DEVICE



The Select-A-Shield USB Pouch works with any portable electronic device including smart phones with capacitive sensing touch screens like Smartphones, tablets, and GPS units, and connects to any forensic extraction device including HTCI, .XRY, Paraben and more.

ON-SITE MOBILE EXTRACTION



The USB2.0 Forensic Pouch is manufactured in the USA with Select's proprietary Silver/Copper/Nickel fabric. This conductive, flexible material is the same fabric used over the past decade to make room sized to tabletop RF shielded enclosures.

ALL-INCLUSIVE KIT



The kit comes complete with internal foam insert and a handy carrying case.

BENEFITS

- USB 2.0 connector provides fast and secure evidence collection.
- Immediate on-site device manipulation and device containment for transportation.
- Works with any portable wireless device including Smartphones, Tablets, and GPS units.

FEATURES

- Reusable. Conductive material will maintain shielding performance for hundreds of captures.

	WEIGHT	OUTSIDE DIMENSION	INSIDE DIMENSION
SFP1215W2	.80 lb.	15" L x 11-3/4" W x 4" H	14" L x 10" W x 3" H

STANDARD SPECIFICATIONS

Part Number	Description
SFP1215W2	Shielded Forensic Pouch
SFP1215W2K	Complete Unit: SFP1215W2 pouch, evidence cards, foam insert, carry bag and cables
SFP1215EC	Evidence Cards—10 cards per pack
SFP1215FI	Foam Insert
SFP1215FIS	Foam Insert—Soft
SFP1215CP	Weather Resistant Carry Bag
RMEC0034	USB A to B Cable, 1 meter
RMEC0049	USB A to Micro B Cable, 0.5 meter

CONNECTOR SPECIFICATIONS

- USB 2.0 Type B to USB 2.0 type A: fully shielded, panel mount.

ELECTRICAL CAPABILITIES

- 125 VDC, 2 amp max.



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SELECT'S CLEANROOM CAPABILITIES



PRECISION CLEANING

SELECT's onsite ISO Class 7 (class 10,000 cleanroom) and isolated area which is ISO class 5 (class 100 cleanroom) provide strict particulate control vital to industrial barrier bag and component bag manufacturing and critical component assembly

needed to protect sensitive equipment of all shapes and sizes. It is equipped with a fume exhaust system as well as a particle measuring system for use in the testing of material surface contaminants.



COMPLY. SELECT.

Our expertise extends to prototype work, custom projects or volume production to comply with exacting customer specifications in aerospace, automotive, military, electronics, wireless and other industries.

Our facility is ideal for small, low minimum lot size runs of flat, gusseted, 3-D style bags with installed ports and/or lips with PSA closures.

OUTSOURCE YOUR SECONDARY CLEANROOM OPERATIONS FOR OPTIMUM EFFICIENCY

Select Fabricators' facility – combined with our manufacturing know-how – can accommodate your short run pre-fabrication and/or fabrication of individual components, assemblies, bags, covers, shrouds or enclosures.



CLEANROOM PRODUCTS AND SERVICES

- Assembly
- Sealing of flexible materials
- Kitting
- Finish Packaging
- Cleanroom Bags
- Surface particle testing

TESTING

TEST	STANDARD
Liquid Particle Testing LP-0002	Ref: IEST STD-CC 1246 Product Cleanliness Levels & Contamination Control Program and NASA LPG5322.1 Contamination Control Requirements Manual
Seal Strength	#/inch ASTM F88
Seal Strength – Air Burst TP-0001	Ref: ASTM F1140
Seal Appearance	Visual ASTM F1886
Vacuum Test – TP-005	Ref: ASTM 515-05
Outgas testing – upon request	

Cage Code:	1VB13
Duns #:	003053357
NAICS:	334413
ITAR registered:	US Dept. of State—Office of Defense Trade Compliance

CRITERIA	ISO 5	ISO 7
Air Changes per Hr/Min	300 to 480/ 5 to 8	60/1
Filter Coverage %	50 to 70	7 to 15
CFM per Sq Ft	36 to 65	9 to 16
Filter Efficiency	99.997 (4-9s HEPA's)	99.997 (4-9s HEPA's)



CLEANROOM BAGS



THE LOW MINIMUM, SMALL LOT ADVANTAGE



When your product requires the utmost cleanliness, specify SELECT's cleanroom bags. Using the latest quality standards and equipment to produce superior strength bags with durable, high-quality seals; SELECT can be particularly cost effective with low minimum / small lot size runs.

Our onsite cleanroom can produce sizes to meet your specifications without a minimum quantity. SELECT makes bags in a number of styles and feature from 2" x 2" to 30" x 96" and longer. Custom sizes and designs are handled with ease.

STYLES AND FEATURES



- Flat
- 3-D (square or rectangular bottom)
- Gusset
- Tubing
- Installed Ports
- Lips with PSA closure

Technology Sectors	
Containment Control Engineering	Clean Parts Packaging, Storage and Protection
Discrete Component Manufacturing	Medical / Biotech Engineering
Semiconductor / Electronics	Aerospace

MATERIALS

- Aclar®
- Anti-Static Polypropylene
- Bubble Pack
- Co-Extrusions
- Conductive
- Composites
- Custom Laminates
- Flexible Foam
- High Strength/High Barrier Films and Laminates
- Linear Low Density Polyethylene (LLDPE)
- Low Density Polyethylene (LDPE)
- Mono-films
- Nylon 6
- Photo Black
- Polypropylene
- Polyethylene
- Static Shielding
- VCI & VPI for Corrosion Control

SELECT Cleanroom Bags are double-barrier packed. A Certificate of Conformance is included with every shipment and contains both part number and lot number for traceability.

TEST	STANDARD
Liquid Particle Testing LP-0002	Ref: IEST STD-CC 1246 Product Cleanliness Levels & Contamination Control Program and NASA LPG5322.1 Contamination Control Requirements Manual
Seal Strength	#/inch ASTM F88
Seal Strength – Air Burst TP-0001	Ref: ASTM F1140
Seal Appearance	Visual ASTM F1886
Vacuum Test – TP-0005	Ref: ASTM 515-05
Outgas testing – upon request	

Cage Code:	1VB13
Duns #:	003053357
NAICS:	334413
ITAR registered:	US Dept. of State—Office of Defense Trade Compliance

SELECT can provide optional certification to level 50 using a liquid particle tester.

®ALCAR is a registered trademark of Allied Chemical Corp.



Select Fabricators Inc.

5310 North Street, Building #5 • PO Box 119
Canandaigua, NY USA 14424

P: +1 585.393.0650 or 888.599.6113 • F: +1 585.393.1378
E: SelectUs@select-fabricators.com • W: www.select-fabricators.com

ATTAIN EXACTING QUALITY SPECIFICATIONS

The Aerospace and Military industries are diverse segments, and include numerous commercial, industrial, government and military applications. The capabilities of SELECT and our adherence to quality standards makes us uniquely

qualified to provide a wide range of product solutions. Assigned contracts include device/product assembly, bag manufacturing, covers, tarps, RF/EMI shielding, and specialized protection for sensitive components.



QUALITY. SELECT

SELECT excels in state-of-the art materials procurement, extremely high quality standard attainment and total project review to insure compliance with the most exacting requirements typical in the Aerospace industry.

SELECT's onsite ISO Class 7 (class 10,000) cleanroom and isolated area which is ISO class 5 (class 100 cleanroom) provide strict particulate control.

MEETING CRITICAL OPERATIONS REQUIREMENTS



Look for the SELECT green shield as your assurance for optimum protection and quality conformance.

SELECT is dedicated to meeting our customers' unique specifications for a wide range of aerospace, aircraft and military projects. We have successfully satisfied numerous contract requirements for:

- Sensitive Equipment Transport Covers
- Portable RF/EMI Shielding Enclosures
- Device and Product Assembly
- Cleanroom production of special protections for sensitive components

SELECT has processes and experience in:

- Large Covers and Shrouds
- Shielding Enclosures and Pouches
- Acoustical Insulation
- Cleanroom Bags
- Rectangular / 3-dimensional Bags
- Carton and Resin Liner Bags
- Flat and Gusset Bags
- Custom Designs
- Thermal Insulating
- Contract Assembly
- Contract Packaging
- Industrial Sewing
- Ultrasonic Welding

Cage Code:	1VB13
Duns #:	003053357
NAICS:	334413
ITAR registered:	US Dept. of State—Office of Defense Trade Compliance

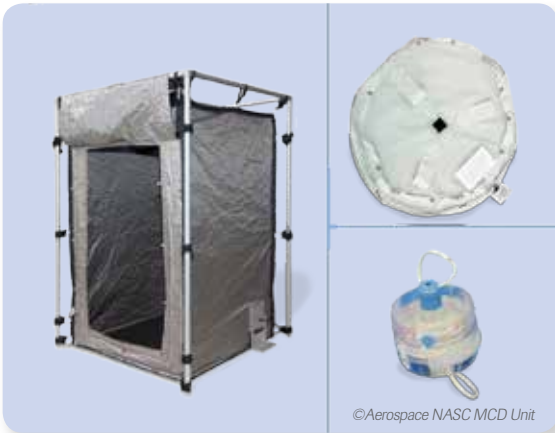
ENSURE EFFECTIVENESS AND COMPLIANCE



Large or small projects are treated with the same confidentiality, and quality workmanship. SELECT's exacting process and attention to detail insures each project will meet the required compliances.

NO PROJECT TOO LARGE OR TOO SMALL

SELECT uses its design, collaboration and technical experience in working from specs for specialized aerospace and military applications to define requirements in order to produce custom products using our proprietary materials.



©Aerospace NASC MCD Unit

CUSTOM FABRICATION OF FLEXIBLE MATERIALS INTO...

- Transport Covers and Shrouds
- EMI/RFI Enclosures
- Portable Enclosures
- Security Devices
- Cleanroom Equipment Covers
- Baffle Covers
- Multi-Layer Insulation Blankets (MLI)
- Acoustic Absorbers
- Custom Bags, Covers & Liners
- Hazardous Waste Disposable Liners
- Cleanroom Component Assembly and Packaging

MATERIALS

SELECT has the expertise to work with a wide variety of state-of-the-art materials, converting them into an extensive array of products.

Materials	
RoHS Compliant Nova Select™ Rip-stop Nylon	Aluminized Polyvinyl Film Reinforced with Nylon
Low Density Polyethylene (LDPE)	Aluminized Reinforced Tedlar®
Linear Low Density Polyethylene (LL-DPE)	Co-Extrusions
VCI & VPI Materials for Corrosion Control	Mono-Films
Low outgassing	Anti-Stat
Amine-free	Static Dissipative
Custom Formulated Films and Laminates	Conductive
KAPTON® Polyimide Film	Static Shielding
Various Textiles including C3 Polyester	Laminates
High Strength-High Barrier Laminates	Photo Black
ORCOFILM® Reinforced MYLAR® film	Flexible Foam
Aluminized Polyester Reinforced with NOMEX®	Nylon 6

Select Fabricators, Inc. is a premier American manufacturer, specializing in the design, industrial sewing, ultrasonic welding, assembly and production of a wide range of flexible materials. Most notable is a full line of high performing Select-A-Shield™ RF/EMI shielding enclosures, pouches and mobile forensics products.

With expertise in textiles, flexible materials, industrial sewing, sealing, and ultrasonic welding, SELECT can deliver a wide array of custom solutions to your exacting specifications.



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