

RF / EMI Shielding pouches

INFRATRON pouches protect portable transceivers from RF microwave interference and/or emissions. The shielding pouch can also be used to shield a full wallet with contents. In the wallet, there are RFID cards that are no longer remotely readable with the pouch. Our pouches are lightweight and flexible. They are made to attenuate and prevent signals from entering or leaving the pouch.

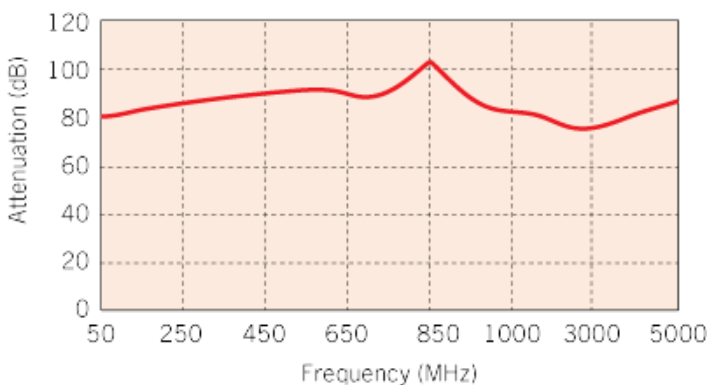
The **textile** version is generally used for professional purposes, i.e. for RF research, optionally in combination with a window for usage and vision of the device inside. The **reinforced** version is suitable for everyday use, for example for people with electroallergy and for storing RFID cards to prevent abuse.

The Shielding pouches are made in Holland with a double layer conductive silver/copper/nickel RoHS compliant fabric (**textile version**) or with a very strong nice black fabric with reinforced Amucor foil on the inside (**reinforced version**).

Shielding effectiveness

Prevents cell phones, PDAs, smart phones, laptops and GPS units from logging onto an active network.

Field tests have shown an average of 99.99% signal attenuation. In practice, our shielding pouches proved to have a better design and better materials than pouches made by the competition. These pouches are built to last and can be reused over and over again with minimal shielding degradation.



Shielding performance of the textile shielding pouch

Base material has an 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.

Standard sizes

A pouch for almost any application with a performance to rely on. The shielding pouch is available for many electronic devices. Our application table below can help you determine which pouch would be best for your application.

Part number	Interior dimensions (mm)		Construction	Application
	Width	Length		
pouch-100-100	100	100	Single rolover closure	Electronic Car Keys, RFID Devices, Credit Cards
pouch-100-170	100	170	Double rolover closure	Portable devices cell phones, pagers, iPhones, Blackberry
pouch-100-170	170	200	Double rolover closure	Multiple cell phones, PDAs, Passports, GPS Navigation Units
pouch-240-320	240	320	Double rolover closure	Mobile tablet devices, iPads, RFID tagged documents
pouch-400-320	400	320	Double rolover closure	Laptops, Computers, Multiple cell phones, PDAs, Blackberrys, or iPhones
pouch-400-370	400	370	Double rolover closure	Notebook Computers, Multiple cell phones, PDAs, Blackberrys, iPhones, Ultramobile PCs



The Shielding pouch comes in two versions, a **textile** and a **reinforced** version



Shielding pouches block the ability of wireless portable electronic devices to access or transmit cellular signals that can potentially erase or corrupt important data



The shielding pouch closes very well, which guarantees good shielding



The inside is made of very strong Amucor foil which has proved itself in very heavy shielding applications, for example in defense industries



The shielding Pouch is used among other things for tablet PCs

RF / EMI Shielding pouches

Please note: Custom sizes from 40 mm x 80 mm (Length x Width) up to larger sizes of 1200 x 1200 mm can be designed to fit your specifications.

Options

- Hanging loop
- RF shielding window for ventilation and/or visibility
- Custom I/O connector plates.
- Pad Printing / Screen Printing / Custom Embroidery
- Textile version (professional use)
- Reinforced version (daily use)

Industries

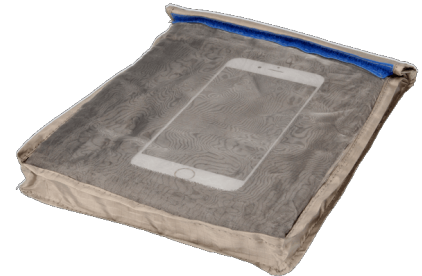
- Commercial wireless
- Industrial wireless
- Aerospace and defense
- Cellular forensics
- Computer forensics
- Homeland security
- Law enforcement
- Military
- Personal protection (electrosmog/electro allergy)



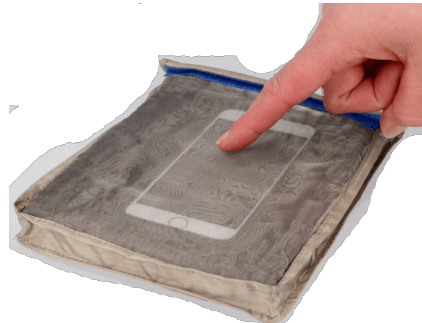
Laptop sized textile shielding pouch



Laptop sized textile shielding pouch



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



Touch screen keeps working through the mesh

Applications

Mobile device forensics
Cyber forensics
Secure facilities
Government facilities
Crime scene investigations
Industrial and corporate espionage

- Fieldwork

360 example of the Reinforced shielding pouch

Good seal for optimal shielding

Our shielding pouches are designed for high quality shielding application. We have therefore developed a double fastener to make sure there are no RF leaks. Fold it once to close, fold it again to ensure there is no RF leakage.

RF / EMI Shielding pouches



Shielding pouch fastening system

Shielding pouch for forensics



Shielding pouch for forensic research

Shielding pouches prevent cell phones, PDAs, Smartphones, Laptops and GPS units from sending signals to or receiving signals from active networks. Data on these portable devices can be secured on site using our high performance RF/EMI shielding pouches.

More affordable than lab based non-portable metal enclosures, the Window-Touch Forensic Pouches allows viewing and hands-on manipulation of wireless devices in an RF tight environment, making sure internal data is not compromised when device is seized. There is no need to take the seized device back to a laboratory to take a look on the device. The shielding pouches will function with any portable device with capacitive sensing touch screens including smartphones, tablets and GPS units.

This conductive, flexible material is the same fabric used over the past decade to make room-sized to tabletop height RF shielding tent enclosures. The large, non-glare window is made of a double-layer conductive mesh.

Product	Width(mm)	Length(mm)	Version	Window
Pouche	Select an option: See Standard sizes table above for standard sizes. Custom size is also available, however, the delivery times are longer.	Select an option: See Standard sizes table above for standard sizes. Custom size is also available, however, the delivery times are longer.	Select an option: Textile : Textile version Reinforced : Reinforced version	Select an option: W : With window (for example for Forensics) N : No window