



Shieldex® Forensic Enclosure

RF-X PBN2IT



Shieldex® Forensic Enclosures are made of highly conductive, lightweight, and tear-resistant fabrics that provide a **controlled environment** free from ambient electromagnetic interference (EMI) and RF signals entering or leaving the room. The shielded environment provides a suitable location for **interrogating electronic devices** without the risk of the device establishing a Wi-Fi, Bluetooth or 4G/5G connection. The forensic enclosures have been measured in accordance with the IEEE 299/2006 standard and are clean room compatible to A300 (Class 1000). The special feature of the forensic shielding tents is the **ante-chamber**, which is directly connected to the main chamber, but can intercept interfering radiation even more safely and effectively. The double door system allows secured access into the working area.

General Information

Shieldex are the experts for RF shielding enclosures in the form of tents. We offer solutions for industry, scientific laboratories, and authorities.

The size as well as the fabric and the configuration of the Shieldex® RF enclosure will be designed according to your requirements. Your Shieldex product can be designed with doors, ventilation systems, I/O panels, filter boxes and many more. The enclosure is cleanroom compatible to A300 (Class 1000).

Technical Specification

Due to the maximum use of metallised textiles, we achieve an excellent shielding performance on the whole system.

The door has a **double closure system** made from our products Shieldex® VELCRO® and Shieldex® Zipper. Both chambers of the RF enclosure are manufactured in the same style and have a frame made of BOSCH® aluminum profiles.

F-Series (inner size)

Ante-Chamber: 1220 x 1220 x 2180 mm (LxWxH)

Main Chamber: 2500 x 2000 x 2180 mm (LxWxH)

Description of material

Ag/Cu/Ni/Sn plated Nylon fabrics

Double layer structure

Special characteristic: black, non-oxidizing outer wall

Shielding effectiveness according to IEEE 299/2006

Average up to 85 dB from 0.03 - 16 GHz

Temperature range

-30 °C to 90 °C

Additional options

Clean Room compatible to A300 (Class 1000)

Applications

- IT Forensic Analysis & Storage
- Evidence collection and examination rooms
- Rooms for interrogation of communication devices
- Used by investigative authorities
- Pre-compliance tests
- Radiated Immunity Tests

Why Shieldex?

Shieldex has been metallising textiles for over **43 years**. Shieldex textiles, manufactured in Germany, are further processed into Shieldex shielding enclosures in the company's own sewing studio.

At Shieldex, you are in contact with the **manufacturer** of the **textiles** that are processed into the **tents**. We ensure that all materials are of the **highest quality** – we only use shielding textiles that have been developed by us for this purpose.

For the frame we use high-quality BOSCH® aluminum profiles. Traditionally, we attach great importance to satisfied customers. Durability and target oriented consulting are important quality features for us.

Commitment to quality

Each of our shielding fabrics is subjected to testing by our quality management. Due to our worldwide unique metallisation process, our products are very durable.

Choosing Shieldex means choosing quality. Shieldex shielding enclosures are subjected to a quality check before delivery. Before shipping, each tent is **assembled** and **inspected**. If you are not satisfied with our products, please contact us. We are always there to help you with any challenges you may face.

Installation service

You will receive a detailed **manual** for the installation. Should you require support, we also offer the Shieldex **installation service**.

Did we spark your interest ?

More information can be found on our detailed data sheets.
Please do not hesitate to contact us at any time.