

Users Guidelines & Care Instructions for Swiss Shield®

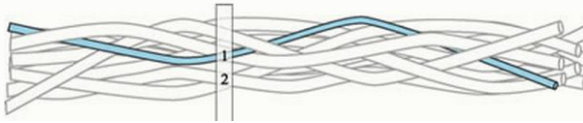
Thank you for purchasing our Swiss Shield® EMC fabrics. We hope it will provide you with years of satisfying use. For optimal results and product longevity, please read this document in full before you attempt installation. For more information or if you have any further questions, please contact your authorized support representative for assistance.

- Swiss Shield® fabric is designed to reduce Radio Frequency exposure on the principle of reflection. The fabrics are available in 2 formats, non-conductive (insulated) and conductive. Each fabric contains a patented arrangement of wire mesh, interwoven tiny silver coated copper threads that are sealed to the touch and to the elements. All Swiss Shield® fabrics can be washed without shielding loss unlike most other brands.



Swiss Shield® Thread

- 1 - Surface Conductive or Surface Insulated Thread
- 2 - Base Material (Cotton, Polyester, or Lyocell)



Surface Conductive

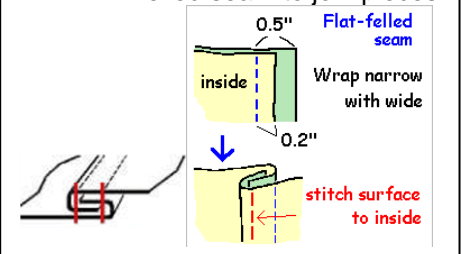
- Naturell-Ultra

Surface Insulated

- New Daylite
- Naturell
- Naturell-Arbor FR*
- Wear
- Max-Wear
- Ultima
- Ultima-Arbor
- Ventus

- When Swiss Shield® fabric is installed, its location, quantity and proper installation should be determined by a trained EMF specialist or consultant. If a specialist or consultant is not available in your area then appropriate measuring equipment should be acquired by the user. Please review our EMF Meter, RF Meter and Body Voltage Kit product pages for details.
- In order to ensure optimum results, the installer/user should assess the living space for Radio Frequency "RF" Radiation and AC Electric Fields. Before and after measurements are important to determine the overall effectiveness and impact of the shield. **Important:** We recommend that larger pieces of fabric and canopies of non-conductive fabrics should be installed in a low AC Electric Field environment (<1 V/m or <100 mV of body voltage). Usually, the shutting off of circuit breakers or the installation of a Remote Cutoff Switch is required.
- In addition to blocking RF, grounding the conductive fabric can aid in the reduction of AC electric fields. In the event that a ground is applied to the Swiss Shield® fabric, please consult with your local licensed electrician and comply with local electrical codes. Note: Swiss Shield® will reflect radio waves whether grounded or not. The Swiss Shield® non-conductive fabrics are not externally conductive and grounding is not recommended. Before and after measurements are important to determine the overall effectiveness and impact of the shield.
- Avoid the use of electronic or electrical devices near the fabric or under a canopy
- Swiss Shield® fabric is not fire retardant. Use with caution and at your own risk
*Note: Swiss Shield Naturell-Arbor FR uses a fibre that is naturally fire resistant
- Swiss Shield® fabric is intended exclusively for indoor use in dry areas
- Swiss Shield® fabrics have the Oeko-Tex 100 certification meaning they are the highest quality and most Eco-friendly shielding fabric available. As with all new textile fabric, a "new material" scent may exist. The impact of this scent varies from person to person. Washing the material before installation will eliminate the scent.

Sewing - Use regular thread and a felled seam to join pieces



Washing: Use a Mild Liquid Detergent





Certificate

OEKO-TEX® STANDARD 100

Swiss Shield AG

is granted the OEKO-TEX® STANDARD 100 certification and the right to use the trademark.

SCOPE

Swiss Shield - Cotton fabric (woven) produced from Cotton Yarns with a thin metallic core, finished ecru and white. For the following Swiss Shield products:

- ® NATURELL™, ® ULTIMA, ® MAX-WEAR, ® NATURELL ULTRA,

Swiss Shield - Regenerated fibers fabric (woven) produced from Regenerated Yarns with a thin metallic core, finished ecru and white. For the following Swiss Shield products:

- ® ULTIMA_ARBOR, ® NATURELL_ARBOR, ® NATURELL_ARBOR FR,
- Swiss Shield - Regenerated fibers fabric (Knitted) produced from Cotton - and Regenerated Yarns with a thin metallic core, finished ecru and white. For the following Swiss Shield products:
- ® NEW DAYLITE ARBOR

PRODUCT CLASS

I (baby articles) - Annex 4



This certificate ZH015 208475 is valid until 15.10.2024.

SUPPORTING DOCUMENTS

- ✓ Test report: ZH015 227776.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

Matz Bachmann
Managing Director

Faisal Rizal
Ecology Team Leader

Further compliance information (REACH, SVHC, POP, GB18401 etc.) can be found on oeko-tex.com/en/faq.
The certificate is based on the test methods and requirements of the OEKO-TEX® STANDARD 100 that were in force at the time of evaluation.

Zurich, 2023-10-23



Comparison of All Swiss Shield Fabrics RF Shielding Performance

RF Sources

Baby Monitor	49, 902, 2400 MHz
Bluetooth	2400 MHz
Cellular	700 - 2600 MHz
5G Low-Mid, High Band	600 - 6000 MHz, 24000 MHz+
DECT Phone	1900 MHz
FM Radio	88 - 108 MHz
Microwave Oven	2450 MHz
Smart Meter	900, 2400 MHz
TV Towers DTV	54 - 698 MHz
WiFi Router	2400, 5000, 6000 MHz
WiMax	3500 MHz

