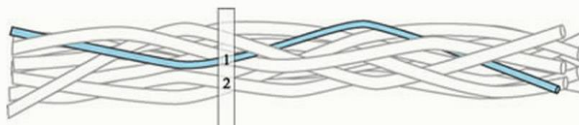
Users Guidelines & Care Instructions for Swiss Shield®

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 and conductive and there are several models of each format. Regardless of format or model, 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)

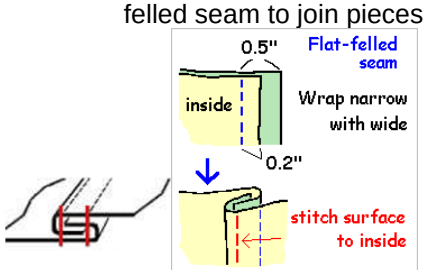


Surface Insulated
New Daylite
Naturell
Wear
Max-Wear
Ultima
Ultima Arbour

Surface Conductive
Naturell-Ultra

- 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
- 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

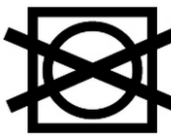
Machine Wash (Gentle Cycle) Cold Water

Hand Wash Cold Water


No Chemical Dry Cleaning


No Bleaching


Hang to Dry


No Tumble Drying


Iron Without Steam at 1 Degree

OEKO-TEX®
CONFIDENCE IN TEXTILES

TESTEX AG, SWISS TEXTILE TESTING INSTITUTE
GOTTHARDSTRASSE 61
POSTFACH 2156
8002 ZÜRICH, SWITZERLAND

CERTIFICATE

The company

SPOERRY 1866 AG
Bergstrasse 25
8890 Flums
Switzerland

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
ZHYO 070054 TESTEX
Tested for harmful substances.
www.oeko-tex.com/standard100

is granted authorisation according to STANDARD 100 by OEKO-TEX® to use the STANDARD 100 by OEKO-TEX® mark, based on our test report **ZH005 148480.1**

for the following articles:

Swiss Shield Yarn; textile filament Brass/Silver TWF-D, Copper/Silver textile filament TW-F (Polyamidimid), braided with polyester or cotton yarns
Covered raw yarn made of polyamide/elastane
(based on material pre-certified according to STANDARD 100 by OEKO-TEX®)

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Appendix 4, **product class I** have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Appendix 4 for baby articles.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.), the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass) and of the Chinese standard GB 18401:2010 (labelling requirements were not verified).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

The certificate ZHYO 070054 is valid until 15.07.2019

Zurich, 17.12.2018

Matz Bachmann
Managing Director

Saverio Iozza
Laboratory Manager

OEKO-TEX® Association | Genferstrasse 23 | P.O. Box 2006 | CH-8027 Zurich

SAFE LIVING Technologies Inc.

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

Comparison of All Swiss Shield Fabrics
RF Shielding Performance