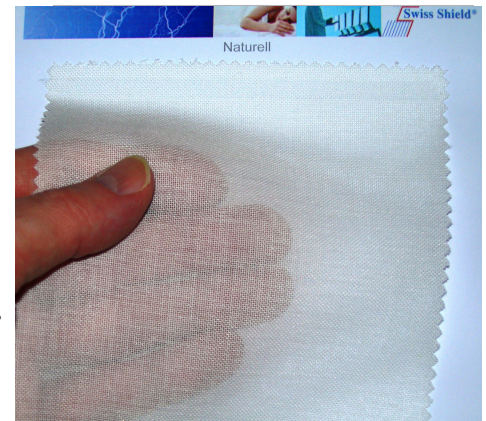


Shielding fabric NATURELL (HF)

Characteristics

NATURELL is a semi-transparent, attractive, **unbleached cotton fabric** with excellent shielding characteristics; used to protect living space and sleeping areas from HF-radiation.

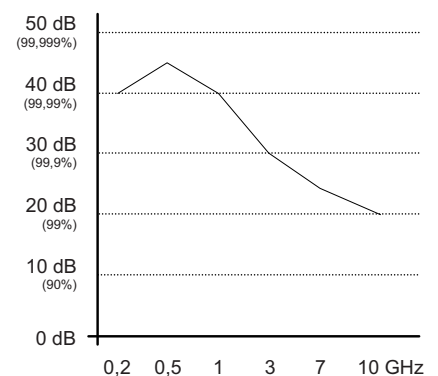
- Offers **outstanding shielding power of 40 db** at 1 ghz.
- Cotton fabric with silver-coated copper thread as conductive component.
- **Machine washable (gentle cycle), easy to iron and process.**
- Produced by the world's leading manufacturer of EMR protection textiles.



Typically used for indoor applications, e. g. to shield windows and doors. Used for curtains, net curtains, canopies, etc.

Technical data

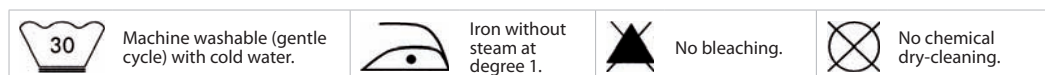
- **Width: 250 cm** including selvage.
- **Length: Available by the metre.**
- **Attenuation of 40 db at 1 ghz.** That means only 0.01% of HF-radiation permeates the shielding fabric.
- **Colors: Ecru-White, blue, green, red, yellow**
- Weight: 69 g/m².
- Surface conductivity: No. Cannot be grounded.
- Certificates: MIL-STD 285 (University of the German Armed Forces), NSA 65-6, Öko-Tex 100+1000.



Certificate of shielding

Tested and certified by Professor Diploma-Engineer P. Pauli, Microwave Laboratory of the **University of the German Federal Armed Forces** in Munich, Germany.

Care



Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordless telephones, wireless networks and other last-mile applications. **Industry:** To prevent interception of data from wireless networks ("data-stealing") and to prevent interception of potentially bugged conference rooms. **Science and R&D:** Shielding of EMI-sensitive facilities and equipment. **Medicine:** Protection of sensitive technical equipment. **Electronics Industry** (e.g. recording studios): To reduce induction and interference. **Further applications:** schools, nurseries, hotel rooms, hospital rooms, etc.

Shielding fabric EVOLUTION (HF)

Characteristics

EVOLUTION is a semi-transparent, **white synthetic fabric (Trevira)** with good shielding characteristics; used to protect living space and sleeping areas from HF-radiation.

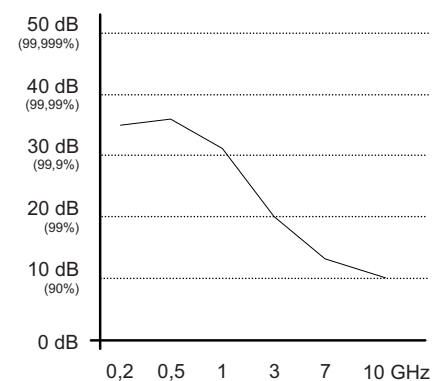
- Offers **good shielding power of 30 db** at 1 ghz.
- Synthetic fabric (Trevira) with silver-coated copper thread as conductive component.
- **Machine washable (gentle cycle), easy to iron and process.**
- Produced by the world's leading manufacturer of EMR protection textiles.

Typically used for indoor applications, e. g. to shield windows and doors. Used for curtains, net curtains, canopies, etc.



Technical data

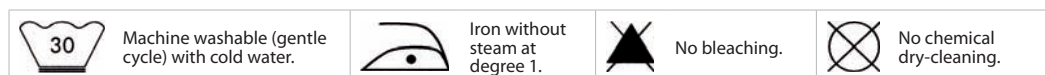
- **Width: 250 cm** including selvage.
- **Length: Available by the metre.**
- **Attenuation of 30 db at 1 ghz.** That means only 0.1% of HF-radiation permeate the shielding fabric.
- Color: White.
- Weight: 79 g/m².
- Surface conductivity: No. Cannot be grounded.
- Certificates: MIL-STD 285 (University of the German Armed Forces), NSA 65-6, Öko-Tex 100+1000.



Certificate of shielding

Tested and certified by Professor Diploma-Engineer P. Pauli, Microwave Laboratory of the **University of the German Federal Armed Forces** in Munich, Germany.

Care



Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordless telephones, wireless networks and other last-mile applications. **Industry:** To prevent interception of data from wireless networks ("data-stealing") and to prevent interception of potentially bugged conference rooms. **Science and R&D:** Shielding of EMI-sensitive facilities and equipment. **Medicine:** Protection of sensitive technical equipment. **Electronics Industry** (e.g. recording studios): To reduce induction and interference. **Further applications:** schools, nurseries, hotel rooms, hospital rooms, etc.

WEAR Shielding fabric

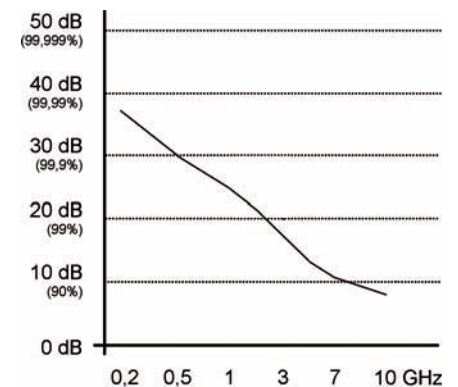
Characteristics

Reflects microwave radiation from cell phone towers, DECT cordless phones, Wi-Fi, TETRA, digital TV, radio, radar, etc.

Used for clothes for grown ups and children, for bedclothes and bed sheets, sleeping bags, etc.

- Material: cotton (with silver coated copper thread for shielding capabilities).
- Extremely durable and highly corrosion resistant shielding components.
- Color white.
- WEAR fabric is 1.50 meter wide.
- Shielding tested and certified after washings: fabric keeps 100% of original shielding power even after 30 washings!
- Very good shielding power: 30 dB at 900 MHz, i. e. 99.9%)
- Can be machine washed at 40°C (cold), gentle cycle, use mild detergent only, do not bleach.
- Fulfils environmental standard OEKO-TEX 100.
- Cannot and must not be grounded (fabric has a non-conductive surface).
- Shielding certificate available. Please ask for your copy.

Shielding performance: 30 dB at 0.9 GHz
22 dB at 1.8 GHz



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Shielding fabric NEW-DAYLITE (HF)

Characteristics

NEW-DAYLITE is a highly-transparent, **white synthetic fabric (Trevira)** with good shielding characteristics; used to protect living spaces and sleeping areas from HF-radiation.

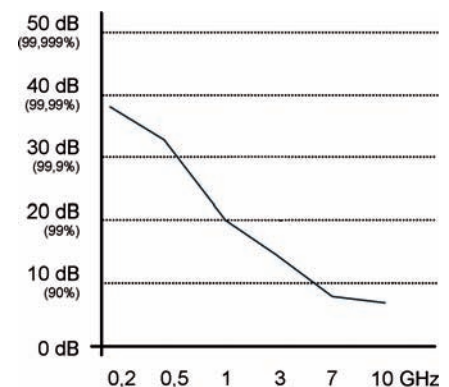
- Offers **good shielding power of 20 db** at 1 ghz.
- Polyester fabric with a silver-coated copper thread as conductive component.
- **Machine washable (gentle cycle), easy to iron and process.**
- Produced by the world's leading manufacturer of EMR protection textiles.

Typically used for indoor applications, e. g. to shield windows and doors. Used for curtains, net curtains, canopies, etc.



Technical data





- **Width: 260 cm** including selvage.
- **Length: Available by the metre.**
- **Attenuation of 20 db at 1 ghz.** That means only 1% of HF-radiation permeates the shielding fabric.
- Color: White.
- Weight: 65 g/m².
- Surface conductivity: No. Cannot be grounded.
- Certificates: MIL-STD 285 (University of the German Armed Forces), NSA 65-6, Öko-Tex 100+1000.



Certificate of shielding

Tested and certified by Professor Diploma-Engineer P. Pauli, Microwave Laboratory of the **University of the German Federal Armed Forces** in Munich, Germany.

Care

 Machine washable (gentle cycle) with cold water.	 Iron without steam at degree 1.	 No bleaching.	 No chemical dry-cleaning.
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Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordless telephones, wireless networks and other last-mile applications. **Industry:** To prevent interception of data from wireless networks ("data-stealing") and to prevent interception of potentially bugged conference rooms. **Science and R&D:** Shielding of EMI-sensitive facilities and equipment. **Medicine:** Protection of sensitive technical equipment. **Electronics Industry** (e.g. recording studios): To reduce induction and interference. **Further applications:** schools, nurseries, hotel rooms, hospital rooms, etc.