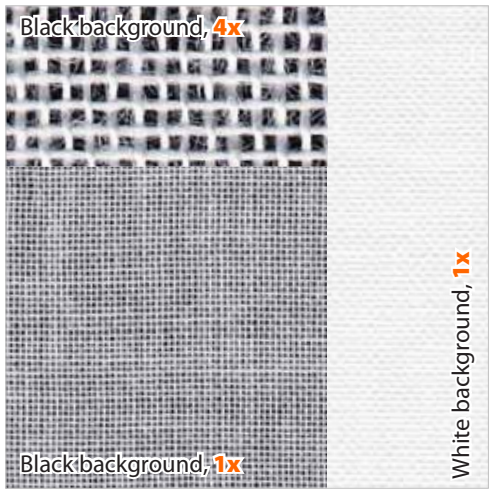
Shielding fabric NATURELL

Characteristics

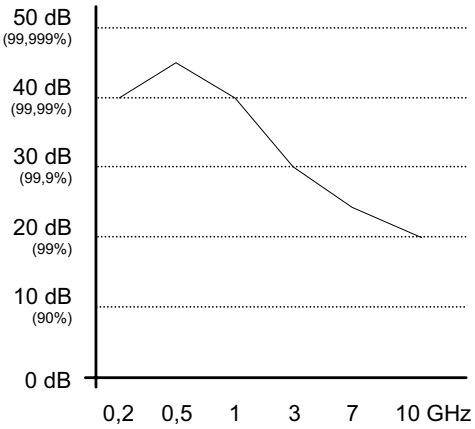
NATURELL is a semi-transparent, attractive, **ecru colored cotton fabric** with excellent shielding characteristics; used to protect living space and sleeping areas from HF-radiation.



- 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 (98.5 inches)** including selvage.
- **Length: Available by the meter or yard**.
- **Attenuation of 40 db at 1 ghz.** That means only 0.01% of HF-radiation permeate the shielding fabric.
- Color: Ecru-White.
- Weight: 69 g/m^2.
- 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. Please ask for certificate.

Care

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

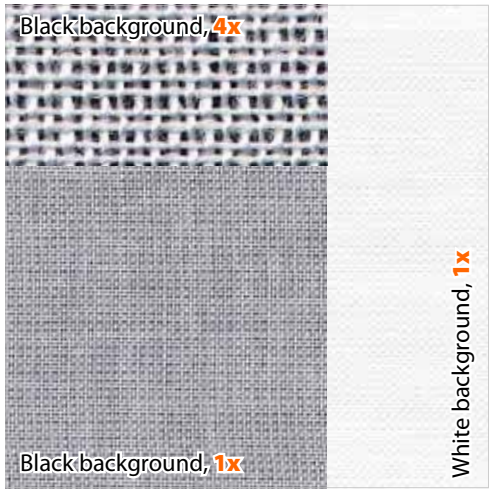
Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordeless 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 ECO 30

Characteristics

ECO 30 is a semi-transparent, **white polyester fabric** with outstanding shielding characteristics; used to protect living space and sleeping areas from HF-radiation.

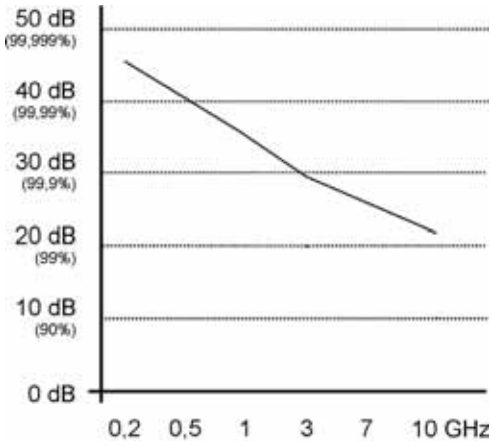


- **Excellently priced, high performance shielding fabric.**
- Offers **outstanding shielding power of 35 db** at 1 ghz.
- Polyester fabric with a silver/cooper thread with polyester coating as conductive component.
- **Machine washable (gentle cycle), easy to iron and process.**

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

Technical data

- **Width: 220 cm (86.6 inches)** including selvage.
- **Length: Available by the meter or yard.**
- **Attenuation of 35 db at 1 ghz.** That means only 0.03% of HF-radiation permeate the shielding fabric.
- Color: White.
- Weight: 79 g/m^2.
- Surface conductivity: No. Cannot be grounded.
- Certificates: MIL-STD 285 (University of the German Armed Forces).



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. Please ask for certificate.

Care

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

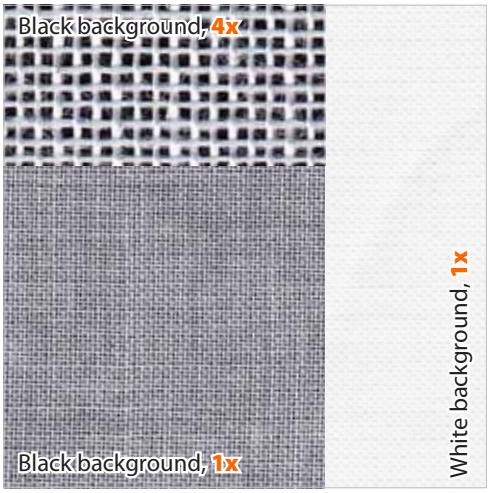
Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordeless 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

Characteristics

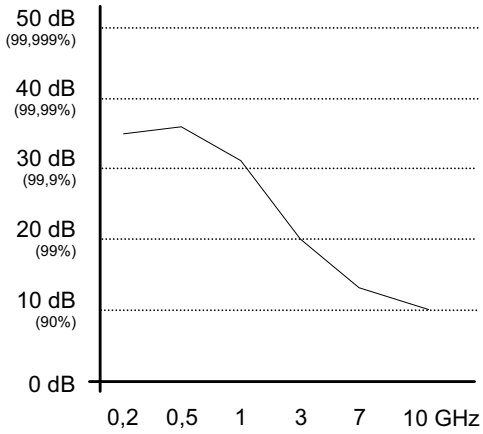
EVOLUTION is a semi-transparent, **white synthetic fabric (Trevira)** with good shielding characteristics; used to protect living space and sleeping areas from HF-radiation.



- Offers **good shielding power of 30 db** at 1 ghz.
- Synthetic fabric (Trevira) with silvercoated copperthread 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 (98.5 inches)** including selvage.
- **Length: Available by the meter or yard**.
- **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. Please ask for certificate.

Care

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

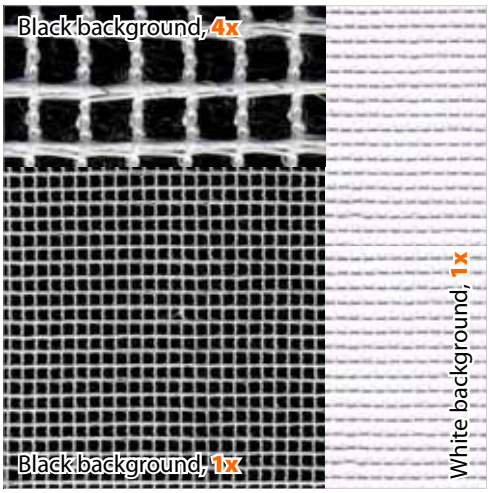
Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordeless 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 DAYLITE

Characteristics

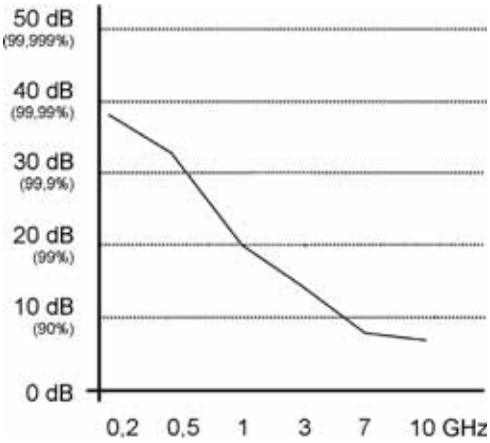
DAYLITE is a highly-transparent, **white polyester fabric** with good shielding characteristics; used to protect living space and sleeping areas from HF-radiation.



- Offers **good shielding power of 20 db** at 1 ghz.
- Polyester fabric with a silver/cooper thread with polyester coating 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 (102.4 inches)** including selvage.
- **Length: Available by the meter or yard**.
- **Attenuation of 20 db at 1 ghz.** That means only 1% of HF-radiation permeate 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. Please ask for certificate.

Care

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

Areas of application

Living areas: Protection from HF-radiation from cellphone towers, TV and radio broadcasting antennas, radar, digital standard cordeless 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.