This is a product overview only! If you need more detailed informations, please order our free catalog, including small product samples, at www.yshield.com under “Order free printed catalog”.

Contact

YSHIELD GmbH & Co. KG, Rotthofer Straße 1, 94099 Ruhstorf, Germany. Internet: www.yshield.com, Email: info@yshield.com, Phone: 0049-(0)8531-31713-0.

Prices

All prices are list prices stated in EUR including sales tax (VAT). Customers outside the EU pay 19 % lower prices, but have to pay local taxes on delivery. By placing an order in our shop you will get a discount of 5 % with payment per PayPal. Please let us know if you need to order large quantities. We will be happy to provide you with an individual offer. Errors and (price-) changes excepted.

About us

We at YSHIELD are specialized in developing and producing electroconductive coatings and paints, to shield rooms and buildings against electromagnetic radiation. To complete our own product range we have long-term close partnerships with other companies. As wholesaler, we supply a global network of resellers as well as private customers directly.

Our claim: All products are available in big quantities from stock. Shipping always is carried out on the same or next working day. Curtains free sewed to size in our own sewing room. Competent and extensive advisory services via telephone.

Shielding paints

Shielding paints are universally useable and easy to proceed, they are our most sold products for shielding from single walls as for complex buildings. All paints are solvent free, low-emission and correspond to the highest building biology standards. The paints are easy to apply with conventional paint.

Shielding paint PRO54. HF+LF. Technically our best paint on basis of carbon fibers, very hard, does not stain. Certified from TÜV-SÜD. Attenuation 32 dB one-layer, 40 dB two-layer, 48 dB three-layer. 1 liter € 49.90 (€ 9.98/m²), 5 liter € 199.90 (€ 3.99/m²).


Sheet materials

Polyester netting HNG80-66. HF+LF. Tight, metallized polyester netting. Our standard product for bonding on walls, ceilings, floors. Attenuation 80 dB. Width 66 cm. 1 lm € 13.90 (€ 21.06/m²), 20 lm € 249.90 (€ 18.93/m²), 100 lm € 1199.90 (€ 18.18/m²).

Polyester netting HNG80-130. HF+LF. Similar to HNG80-66 but in a width of 130 cm. 1 lm € 29.90 (€ 23.00/m²), 20 lm € 549.90 (€ 21.15/m²), 100 lm € 2599.90 (€ 18.00/m²).

Polyester netting HNG100-66. HF+LF. Tight, heavy metallized polyester netting. Recommendable when a maximum of attenuation is needed. Attenuation 115 dB. Width 66 cm. 1 lm € 23.90 (€ 36.21/m²), 20 lm € 449.90 (€ 34.08/m²), 100 lm € 2199.90 (€ 33.33/m²).

Dispersion glue DKL90. LF. Special dispersion glue for binding our sheet materials to walls, ceilings, floors, etc. Electrically conductive, that the materials are not isolated for grounding. Coverage 17.5 - 25 m². 5 liter € 69.90 (€ 13.98/l).

Fiber additive AF3. This additive is to mix in our shielding paints. It contains electrically conductive carbon fibers, which will bridge the grounding in case of cracks, even without using a grounding strap. For each 5 liter shielding paint. 0.09 liter € 19.90.

Primer concentrate GK5. High-quality primer delivered as concentrate, gives 5 liters of primer. Coverage 25 - 37.5 m². 1 liter € 19.90 (€ 19.90/l).

Paint stirrer AR40. Our shielding paints must be mixed up consis-tently. Only this paint stirrer fits in the small 40 mm opening of our 1-liter paint containers! € 3.90.

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Polyester netting HNG100-130. 
HF+LF. Similar to HNG100-66 but in a width of 130 cm. 1 lm € 49.90 $(38.38/m²), 20 lm € 949.90 $(36.53/m²), 100 lm € 4599.90 $(35.38/m²).

Stainless steel netting V4A10. 
HF+LF. Stainless steel netting V4A. Interior, exterior, under plaster, drywall constructions, roof, floor, etc. Mesh width 1.0 mm. Attenuation 40 dB. Width 100 cm. 1 lm € 11.90 $(11.90/m²), 25 lm € 249.90 $(10.00/m²).

Stainless steel netting V4A03-100. 
HF+LF. Very fine woven stainless steel netting V4A. Interior, exterior, under plaster, drywall constructions, roof, floor, fly screen, etc. Mesh width 0.3 mm. Attenuation 50 dB. Width 100 cm. 1 lm € 13.90 $(13.90/m²), 25 lm € 299.90 $(12.00/m²).

Stainless steel netting V4A03-150. 
HF+LF. Similar to V4A03-100 with width 150 cm. 1 lm € 24.90 $(16.60/m²), 25 lm € 549.90 $(14.66/m²).

Polyester fleece NCV95. LF. 
To shield low frequency electrical fields. For the use on walls, ceilings, floors, as cheap earthed mattress pad. Attenuation 40 dB. Width 95 cm. 1 lm € 11.90 $(12.53/m²), 20 lm € 199.90 $(10.52/m²).

Nylon fleece HNV80. HF+LF. 
Metallized nylon fleece. Preferable loosely laid, in drywall constructions, roof, floor, etc. No bonding! Attenuation 80 dB. Width 100 cm. 1 lm € 21.90 $(21.90/m²), 20 lm € 399.90 $(20.00/m²).

Magnetic field

Magnetic shielding film MCL61. MF+LF+HF. 
To shield magnetic alternating fields. Novel film based on a cobalt-alloy, all characteristic are better than from Mumetall®. Attenuation 30 dB. Width 61 cm. 1 lm € 99.90 $(163.77/m²).

Magnetic shielding film MCF5. 
MF+LF+HF. Basic material of MCL61. With 5 cm width only for small areas, cables, electronics, etc. Attenuation 30 dB. Width 5 cm. 1 lm € 19.90 $(398.00/m²), 20 lm € 199.90 $(199.90/m²), 100 lm € 749.90 $(149.98/m²).

Window films

Window film RDF62. HF. Precious-metal coated, self adhesive film, available in 2 widths. Light transmission 62 %. Attenuation 19 dB. Width 76 cm: 1 lm € 29.90 $(39.34/m²), Width 150 cm: 1 lm € 59.90 $(39.93/m²).

Window film RDF72. HF. With 12 layers precious-metal coated, self adhesive film, available in 2 widths. Light transmission 72 %. Attenuation 30 dB. Width 76 cm: 1 lm € 84.90 $(111.71/m²), Width 150 cm: 1 lm € 169.90 $(113.27/m²).

Mounting accessories.

1) Mounting concentrate FMK30. For bubble-free bonding. 30 ml € 4.90 $(163.33/l). 2) Scraper FVR10. For bubble-free bonding. € 7.90. 3) Edge sealant FL4. For the edges of RDF72. € 19.90.

Shielding fabrics

Qualified for curtains, net curtains, room dividers, to cover wall areas, to sew bed canopies, ...

Shielding fabric ULTIMA. HF. 
Tight woven cotton fabric with very high attenuation. Luxury version of Naturell for curtains or canopies. Attenuation 41 dB. Width 250 cm. 1 lm € 119.90 $(47.96/m²).

Shielding fabric NATURELL. HF. 
Semi-transparent ecological cotton fabric to Ökotex 100+1000. Our most sold fabric for curtains or canopies. Attenuation 38 dB. Width 250 cm. 1 lm € 109.90 $(43.96/m²).

Shielding fabric NATURELL ULTRA. 
HF+LF. Semi-transparent cotton fabric. From the new series of electrically conductive fabrics. Groundable and perfect for canopies or curtains. Attenuation 40 dB. Width 250 cm. 1 lm € 109.90 $(43.96/m²).

Shielding fabric VOILE. HF. 
Transparent elegant polyester voile. From Swiss-Shield® exclusively for us! Stable and crease-resistant. For net curtains or canopies. Attenuation 36 dB. Width 250 cm. 1 lm € 119.90 $(47.96/m²).

Shielding fabric EVOLUTION. HF. 

Shielding fabric WEAR. HF. 
Tight cotton fabric. To sew articles of clothing, beddings, etc. Attenuation 30 dB. Width 150 cm. 1 lm € 69.90 $(46.60/m²).

Shielding fabric NEW-DAYLITE. HF+LF. 
Translucent and air permeable Trevira® fabric. Crease-resistant and easy-care. As net curtain or for canopies. Attenuation 25 dB. Width 260 cm. 1 lm € 79.90 $(30.73/m²).

Shielding fabric SILVER-TULLE. 
HF+LF. Strong silvered nylon fabric. High attenuation and transparency. As net curtain or canopy. Groundable! Attenuation 50 dB. Width 140 cm. 1 lm € 89.90 $(64.21/m²).

Window film RDF72. HF.
Shielding fabric SILVER-TWIN.
HF+LF. Compact two-layer cotton-/silver fabric. Very high attenuation. As curtain, for handy-bags, etc. Groundable! Attenuation 57 dB. Width 150 cm. 1 lm € 99.90 (€ 66.60/m²).

Shielding fabric STEEL-TWIN.

Shielding fabric STEEL-GRAY.
HF+LF. Thin single-layer cotton-/stainless steel fabric. For curtains, furniture, bedding, clothing. Very cheap! Groundable! Attenuation 41 dB. Width 150 cm. 1 lm € 39.90 (€ 26.60/m²).

Shielding fabric SILVER-ELASTIC.
HF+LF. Compact fully silvered spandex fabric. High attenuation and high flexibility. To sew close-fitting clothing. Groundable! Attenuation 50 dB. Width 155 cm. 1 lm € 109.90 (€ 70.90/m²).

Shielding fabric SILVER-SILK.
HF+LF. Fully sivered parachute silk. For technical applications, handy-bags, cable-shielding, room dividers, etc. Attenuation 60 dB. Width 130 cm. 1 lm € 69.90 (€ 53.77/m²).

Shielding fabric SILVER-GRID.
LF. Cotton fabric with silver thread to shield electrical low-frequency fields. For grounding products (earthing), etc. Groundable! Width 150 cm. 1 lm € 39.90 (€ 26.60/m²).

Curtains custom made

Very popular is our free offer to sew curtains customized to size in our in-house sewing department. Our sewing ladies will be happy to fulfill nearly any of your wishes. This offer is free of additional costs for our end-customers. We will only charge the expenses of the fabric. Because of the features of our fabrics, we essentially recommend to call us for advice. We will be happy to guide you.

Canopies

Shielding canopies provide a simple and low-priced method for a complete shielding of beds. We sew different models out of different fabrics. Our fabric recommendations are Voile (35 dB, not groundable) and Silver-Tulle (50 dB, groundable to shield electrical fields). Please follow up at subitem “Shielding fabrics”.

Pyramidal single beds.

Box shape single beds.

Box shape double beds.

Floor mat(s) Steel-Twin.
HF+LF. To shield canopies from below. For all fabrics except Silver-Tulle. Attenuation 35 dB. 1 piece for single beds € 129.90. 2 pieces for double beds € 249.90.

Complementary to our standard range, we sew canopies of all fabrics to your specifications. Please direct your inquiry!
Textile products

Headgear from Silver-Elastic TKE.
HF+LF. The modern alternative to a headscarf! This headgear (a fabric sleeve) can be worn in several ways: As a cap or as protection of nose, mouth and neck or for a complete protection of the head by using 2 pieces. Attenuation 50 dB. € 34.90.

Headscarf from Steel-Gray TKG.
HF+LF. Shielding headscarf from Steel-Gray, three-cornered as classical headscarf, quadratical as bandana. Durable fabric with stainless steel threads, therefore not so soft on the skin! Attenuation 41 dB. € 34.90.

Headscarf from Wear TKW.

Sleeping bag from Steel-Gray TSB.
HF. Shielding sleeping bag as cheap alternative to canopies and perfect to be used on travelling. With removable inner cover from cotton, contractible head area and a silvered zipper. Width 90 cm, length 14625 LM. Cone 23 cm. dtex 300 2-ply. Resistance 200 Ohm/m. € 199.90.

Bedding from Steel-Gray TBL.
HF. Shielding bedding as cheap alternative to canopies. Set including a sheet and a duvet cover. The duvet cover is sewed two sided for use as a sheet and a duvet cover. The following products were produced with highest quality in Germany. Very durable and stable silvering of polyamid 6.6 with a pure silver plating of 99 %.

Sleeping cover ESC.
Single layer sleeping bag with zip fastener, sewed very generous. Size: 90 x 200-240 cm (35.4 x 78.7-94.5 inches). € 199.90.

Blanket ESB.
On the couch, in the bed, on holiday or on business trips. Size: 140 x 200 cm (55.1 x 78.7 inches). € 199.90.

Sheet single bed ESI.
The sheet is laid on the mattress, you sleep directly on it. Size: 140 x 240 cm (55.1 x 94.5 inches). € 119.90.

Sheet double bed ESI.
The sheet is laid on the mattress, you sleep directly on it. Size: 240 x 240 cm (94.5 x 94.5 inches). € 199.90.

Duvet cover ED1.
For normal size blankets. A zip fastener is sewed in at the bottom. Size: 135 x 200 cm (53.1 x 78.7 inches). € 199.90.

Pillow cover normal EP1.
For normal size pillows. A zip fastener is sewed in at the bottom. Size: 80 x 80 cm (31.5 x 31.5 inches). € 129.90.

Pillow cover small EP2.
For half size pillows. A zip fastener is sewed in at the bottom. Size: 80 x 40 cm (31.5 x 15.7 inches). € 99.90.

Sewing accessories

The following products were produced with highest quality in Germany. Very durable and stable silvering of polyamid 6.6 with a pure silver plating of 99 %.

Silvered zip fastener.
For sewing in recloseable openings in canopies, mobile pockets, safety bags, EMC tents, intelligent clothing, etc. Suitable sliders are available in our catalog. Width 32 mm € 29.90/m.

Silvered hook-and-loop fastener.
For sewing in recloseable openings in canopies, mobile pockets, safety bags, EMC tents, intelligent clothing, etc. The reverse side is without glue! Width 30 mm. € 59.90/m.

Silvered twisted yarn.
As a twisted yarn for sewing shielding fabrics and conductive nettings, if a high attenuation is needed. Lenght 14625 LM. Cone 23 cm. dtex 300 2-ply. Resistance 200 Ohm/m. € 299.90.
Grounding accessories

For the grounding of our products. Many plates include white covering caps, that serve as protection against accidental unplug of our cables GC. The 4 mm gold plugs are fixed firm and contact safe in the tight 3.8 mm connectors.

Grounding plate Wall GW.
Grounding plate for shielding paints, nettings, fleeces, etc.. Quadratic for mounting next to an electrical outlet. € 19.90.

Grounding plate Baseboard GB.
Grounding plate for shielding paints, nettings, fleeces, etc.. Slim design for mounting in the baseboard area. € 19.90.

Grounding plate Exterior GE.
Grounding plate for shielding paints for exterior use. Per serie of connected areas two GE are required. € 29.90.

Grounding plate Tube GT.
Grounding plate for earthed installations (e.g. heating tubes). Stable compared with strip earth bands. € 19.90.

Grounding plate Magnet GM.
Grounding plate for canopies, fabrics, nettings. The both plates are bound together from two strong magnets. € 19.90.

Grounding plate Screw GS.
Grounding plate for canopies, fabrics, nettings. The both plates are screwed together. € 19.90.

Grounding plate Velcro GV.

Grounding plug GP.
Grounding plug for CEE-7/4 and CEE-7/7 socket outlets. To plug in or screwed together with the socket cover. € 19.90.

Grounding plug GX.
Grounding plug in 8 variants: Type B, D, EF, G, I, L, M for mobile products (canopies, earthing-products, ...). € 19.90.

Grounding plug GX-W.
Grounding plug set for all countries (types B, D, EF, G, I, L, M) for mobile products (canopies, earthing-products, ...). € 39.90.

Grounding cables GC-20/-100/-200/-500/-1000.
To connect our grounding components. 20 cm € 8.90. 1 m € 9.90. 2 m € 10.90. 5 m € 11.90. 10 m € 14.90.

Grounding set MCL.
Grounding set for our MCL61. The chopper discs perforate the insulated laminate. For 10 grounding points. € 9.90.

Grounding rod GR-40.
Stainless steel rod for mobile products (canopies, earthing-products, ...). Not for stationary shielding products. € 19.90.

Grounding rod GR-50/-100.
Stainless steel rod for exterior mounting. GR-50 for mobile applications € 39.90. GR-100 for permanent mounting € 49.90.

Grounding strap EB1.
Self-adhesive with non-conductive glue. Under and on nettings, fleeces. Adhesion force 3 N/mm². Width 2 cm, length 10 m. € 19.90.

Grounding strap EB2.
Self-adhesive with non-conductive glue. Under shielding paints. Adhesive force 10 N/mm². Width 2 cm, length 10 m. € 19.90.

Grounding strap EB3.
Self-adhesive shielding tape with conductive glue. To shield cables, slots, notches, openings, etc. Attenuation 80 dB. Adhesive force 3 N/mm². Width 10 cm. € 9.90/m.

Stainless steel tape ELB.
Grounding tape for meshes, nettings, fleeces, floating and in drywall constructions. Hole spacing 1.0 cm, width 1.4 cm, length 10 m. € 19.90.

Measurement

Meter HF32D. HF. Basic device for the easy evaluation of the situation. Field strength proportional audio signal: The higher the measuring value, the faster the acoustic signal. Measuring range: 1 μW/m² to 1,999 μW/m². Frequency range: 800 MHz to 3,300 MHz. € 249.50.

Meter HF35C. HF. Standard device according to the “buildings biology” standard. Identification of pulsed sources by an acoustic signal proportional to the modulation frequency. Measuring range: 0.1 μW/m² to 1,999 μW/m². Frequency range: 800 MHz to 3,300 MHz. € 349.50.

Meter HFE35C. HF. Extended standard device. Like HF35C, but with a second antenna for a wider frequency range. Measuring range: 0.1 μW/m² to 1,999 μW/m². Frequency range: 27 MHz to 3,300 MHz. € 749.40.

Meter HFW35C. HF. Extended standard device. As completion to HF35C. HFW35C up to 6 GHz. Measuring range: 0.1 μW/m² to 1,999 μW/m². Frequency range: 2.4 GHz to 6 GHz. € 392.70.

Meter HF38B. HF. Semiprofessional device for users with basic knowledge. Peak-hold function for repeatable measurement results. Improved antenna. Measuring range: 0.01 μW/m² to 19,999 μW/m². Frequency range: 800 MHz to 3,300 MHz. € 499.50.

Meter ME3030B. LF. Basic device for the easy evaluation of the pollution situation. Field strength proportional audio signal: The higher the measuring value, the faster the acoustic signal. Measuring range: 1 nT/Vm to 2,000 nT/Vm. Measuring range: 0.01 μW/m² to 1,999 μW/m². Frequency range: 16 Hz to 2 kHz. € 149.50.

Meter ME3031B. LF. Standard device according to the “buildings biology” standard. Field strength proportional audio signal: The higher the measuring value, the faster the acoustic signal. Measuring range: 1 nT/Vm to 2,000 nT/Vm. Frequency range: 16 Hz to 100 kHz. € 229.50.
**Demand switch**

Electric circuits are causing low-frequency magnetic alternating fields and low-frequency electric fields. Whilst magnetic alternating fields disappear by switching of current consumers, the low-frequency electric fields will remain in the entire electric circuit. This is where the demand switch is applied: It will be built in the fuse box and automatically cut off the circuit, as soon as the last consumer is turned off. The demand switch will detect once a consumer is turned on again and will automatically connect supply voltage to the wire, without delay. **You wont notice the supply voltage cutoffs during your everyday life.**

**Demand switch NA7.** LF.

Our top-selling device with VDE mark. Nominal voltage 230 V/AC. Switching capacity 16 A. Monitoring voltage 8 mA/DC. Residual ripple 4 mV. LED diagnosis. Durability of the relay 15,000,000 operating cycles. 2 years warranty. € 188.14.

**Multiple socket outlets**

The case frame is made from aluminium, the cable is shielded, the socket outlets feature child protection and double-pole switch. For use in Schuko–countries CEE-7/4 and CEE-7/7.

**Multiple socket outlet D6700.** LF.

4 schuko inserts switched. Connecting cable lenght 2 m, 3 x 1.0 mm². Current load 10 A. € 49.50.

**Multiple socket outlet D6744.** LF.

4 schuko inserts switched, 2 inserts unswitched. Overvoltage protection. Inherent protection: Line filter 50 dBm; HF-filter over 80 MHz. Connecting cable lenght 2 m, 3 x 1.0 mm². Current load 10 A. € 99.50.

**Multiple socket outlet D6788.** LF.

9 schuko inserts switched. Integrated decoupling filter and overvoltage protection. Connecting cable lenght 3 m, 3 x 1.5 mm². Current load 16 A. € 95.00.

**Mounting angle D6867.**

With this mounting angles, all our professional multiple socket outlets can easily be fixed in different angels. € 6.20 / 2 pieces.

**Cables**

**Flexible cable (H)05VV-F3G.** LF.

Shielded, very flexible cable for non-fixed electrical devices. To reduce the magnetic field, the conductors are twisted 15 times per meter! Current load: 0.75 mm² = 10 A, 1.5 mm² = 16 A.

3 x 0.75 mm²: 1 Lm € 3.30, 50 Lm € 139.90 (€ 2.80/m).
3 x 1.5 mm²: 1 Lm € 3.85, 50 Lm € 169.90 (€ 3.40/m).

**Power cord D2806+D3662.** LF.

D2806: Lenght: 2 m, cable diameter: 1.0 mm², black, € 17.40. D3662: Lenght: 3 m, cable diameter: 1.0 mm², white, € 20.69.

**Extension cable D3640+D3425.** LF.

D3640: Lenght: 3 m, cable lengtht: 1.5 mm², black, € 21.30. D3425: Lenght: 5 m, cable diameter: 1.5 mm², white, € 26.91.
Installation sockets

Shielding cavity-wall and in-wall sockets to shield electric alternating fields. Shielded with a conductive vacuum coating. Rigid connection wire 1.5 mm². Standard mounting distances for CEE-7/4 and CEE-7/7.

Cavity-wall box 59 mm D4461. LF.
Drywall, tapping or switch box. € 8.79.

Cavity-wall box 47 mm D4483. LF.
Drywall, tapping or switch box. € 7.79.

Cavity-wall lamp connection box D4606. LF.
Drywall, connection box for lamps. € 10.70.

In-wall box 61 mm D4426. LF.
Under plaster, tapping or switch box. € 10.70.

In-wall box 41 mm D4448. LF.
Under plaster, tapping or switch box. € 5.60.

Junction box D4505. LF.
Drywall, under plaster, junction casing box. € 26.50.

Wire connector D4628. LF.
To connect the pin with the drain wire of the shielding cable. 50 pieces. € 10.70.

Insulation sleeve D4685. LF.
To insulate the uncoated drain wire of the installation cable. 100 pieces. € 10.70.

Limited special offers

We have a large stock on hand which is constantly optimized. Therefore we always find interesting goods, which should not be kept back from you. In addition we offer returns, wrong sewed textiles and so on. As those quantities are limited and often sold out quite rapidly, we exclusively announce those offers in the internet. Please follow the subitem “Special offers” there.

Information: Attenuation

The stated screening attenuation values (dB) always apply to 1 GHz. That is quite interesting as wide-meshed materials tend to a more or less decrease of attenuation.

Explanation dB = attenuation: 10 dB = 90 %, 20 dB = 99 %, 30 dB = 99.9 %, 40 dB = 99.99 %, 50 dB = 99.999 %, 60 dB = 99.9999 %, 70 dB = 99.99999 %, ...

Already since many years, the confirmation of the screening attenuation is no longer carried out through external consultants. We have a professional EMV-laboratory for any established engineer standards, as ASTM D4935-10, IEEE Std 299-2006, IEEE Std 1128-1998, ASTM A698/A698M-07, etc. at our disposal in-house. We take many advantages of this: Our goods are not only tested by a survey once, as for the reason of quality management each supplied charge is measured again. Of course, we do need our laboratory for the development of own products as well.

Your local dealer

We have a worldwide network of resellers.
Please contact the following retailer: