

High + low frequency



- for large-area shielding of high-frequency electromagnetic waves, low-frequency alternating electric fields and dissipation of static charges
- antiseptic, soft and supple
- particularly tear-resistant fine silver-plated nylon fabric, opaque, easy to make up
- Picasso is a fine silver-metallised nylon fabric with excellent damping properties. The fabric is silver-plated over the entire surface, making it highly electrically conductive and easy to contact.

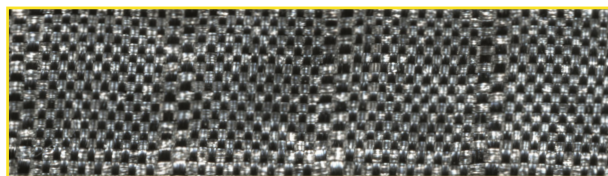
Picasso is antiseptic, soft and supple with an absolutely textile character. It is particularly suitable for shielding high-frequency electromagnetic waves and can also be used to shield low-frequency alternating electric fields if suitably earthed.

Silver-plated products have the property of changing colour due to tarnishing. This usually has no influence on the shielding effectiveness of the material.

As with all other textiles, fabrics and fleeces, no nano-silver is used for coating Picasso.

Order-No.: 100026

Short-Desc.: Picasso - 130 cm



Optional accessories



grounding set- B (ESB - without plug)



grounding set DK contains of:

- ESR-SA (plug) - Order-no. 711076
- ESR-DK-Cable - Order-no. 711076

Shielding fabric (curtains)

Picasso (HF+NF)

Art	MHz	dB	in %
DVB-T2	470 - 690	57	> 99,999
LTE / 5G wide	700 - 750	57	> 99,999
GSM, LTE	920 - 960	58	> 99,999
GSM, LTE	1.800 - 1.880	55	> 99,999
DECT	1.880 - 1.900	56	> 99,999
LTE, 5G wide	2.110 - 2.170	57	> 99,999
W-LAN 2400	2.400 - 2.500	58	> 99,999
5G fast	3.400 - 3.700	59	> 99,999
W-LAN 5200	5.150 - 5.350	61	> 99,999

Technical data

length:	by the meter
width:	130 cm ± 2 %
thickness:	0,09 mm ± 10 %
colour:	silver
grammage:	43 g/m ²
mesh gauge:	< 0,1 mm (opaque)
electrical conductivity:	< 0,3 Ω/□
composition:	82 % polyamid / nylon 6.6 18 % silver full surface silver-plated
permissible temperature:	-30 °C bis 90 °C
properties:	electrically contactable with optional accessories
wash cycles:	< 20 x
basis of examination:	IEEE Standard 299™-2006
shield attenuation:	max. ~ 63 dB (> 99,999 %)

Care instructions


wash very gently
(delicate or wool wash cycle at 30 °C)

gentle ironing at level 1
(ironing at a low temperature)

bleaching not permitted
no detergent with bleach


do not tumble dry



do not dryclean

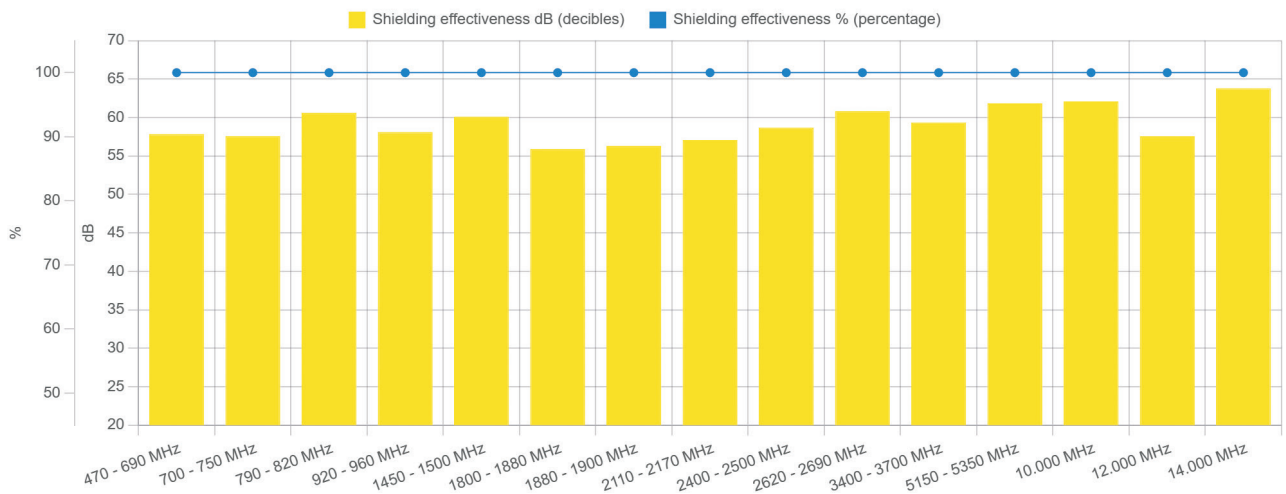
Scope of application

curtains, undercurtain, lining fabric

Type	MHz	Description
DVB-T2	470 - 690	digital video broadcasting – terrestrial, 2nd generation, TV via antenna
LTE / 5G wide	700 - 750	from 4G, now 5G NR without beamforming / MIMO
GSM, LTE	920 - 960	from 2G - D1, now 5G NR without beamforming / MIMO
GSM, LTE	1800 - 1880	from 2G - D2, E network, now 5G NR without beamforming / MIMO
DECT	1880 - 1900	wireless phone
LTE, 5G wide	2110 - 2170	from 3G, formerly UTMS, now 5G NR without beamforming / MIMO
W-LAN / WiFi 2400	2400 - 2500	wireless LAN
5G fast	3400 - 3700	5G NR - New frequency band with beamforming / MIMO
W-LAN / WiFi 5200	5150 - 5350	wireless LAN

Shielding values: According to the manufacturer's test report

Shielding effectiveness - Dali - 470 MHz to 14.000 MHz (14,0 GHz)



1000 MHz = 1 GHz +/- (according to the manufacturer's test report)



Picasso Role goods max. ~ 100 m