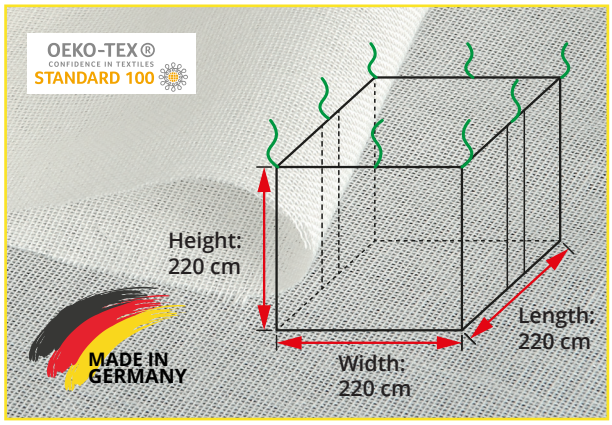
Building Biology Products
and services

High frequency



- double-bed canopy for large-area shielding of high-frequency electromagnetic waves
- semi-transparent
- 100 % textile properties
- double bed design (box shape, very spacious)
- The Swiss Shield Naturell-BD double bed canopy is made of Swiss Shield Naturell, a decorative, unbleached, high-frequency shielding cotton fabric with an absolutely textile character.

The fabric has the usual textile properties of cotton.

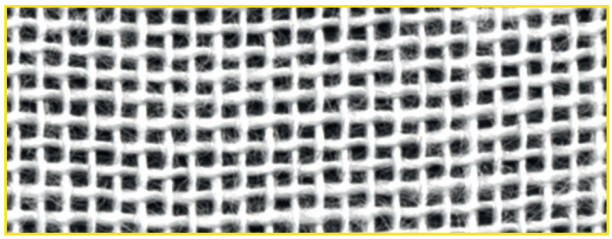
Mounting is simple and variable in width and height.

No electrical devices may be operated inside the canopy, please observe the necessary distances from lamps, hot light sources and walls (abrasion) to the fabric.

No vapours or other chemical additives that pose a health risk.

With canopy underlay SWSH-N-SN, this canopy shields low-frequency alternating electric fields even without earthing.

Order-No.: 1030
Short-Desc.: SWSH-N-BD



Scope of application

children's and sleeping area (single bed)

Scope of delivery:

- bed canopy incl. 8 x 2 hanging straps sewn on
- length 100 cm (incl. 8 x dowels and 8 x hooks)
- 6 x wooden poles - length 74 cm / Ø 25 mm
- 4 pcs. plug-in sleeves

Bed canopy

Swiss Shield Naturell-BD (double)

Type	MHz	dB	in %
DVB-T2	470 - 690	42	> 99,99
LTE / 5G wide	700 - 750	42	> 99,99
GSM, LTE	920 - 960	40	~ 99,99
GSM, LTE	1800 - 1880	36	> 99,9
DECT	1880 - 1900	36	> 99,9
LTE, 5G wide	2110 - 2170	34	> 99,9
W-LAN 2400	2400 - 2500	33	> 99,9
5G fast	3400 - 3700	28	> 99,0
W-LAN 5200	5150 - 5350	24	> 99,0

Technical data

length:	220 cm ± 2 %
width:	220 cm ± 2 %
height:	220 cm ± 2 %
colour:	ecru
accessibility:	left and right
mesh gauge:	< 1 mm x 1 mm (semi-transparent)
composition:	82% Cotton 18% Copper / Silver
base material:	Swiss Shield Naturell
features:	good washability, antistatic
wash cycles:	~ 25 x
basis for inspection:	Oeko-Tex 100 Class 1 (baby underwear) IEEE Standard 299™-2006
Oeko-Tex 100:	ZHYO 070054 TESTEX
shield attenuation:	max. 42 dB (> 99,99 %)

Care instructions

30	wash very gently (delicate or wool wash cycle at 30°)
	gentle ironing at level 1 (ironing at a low temperature)
	bleaching not permitted no detergent with bleach
	do not tumble dry
	do not dryclean

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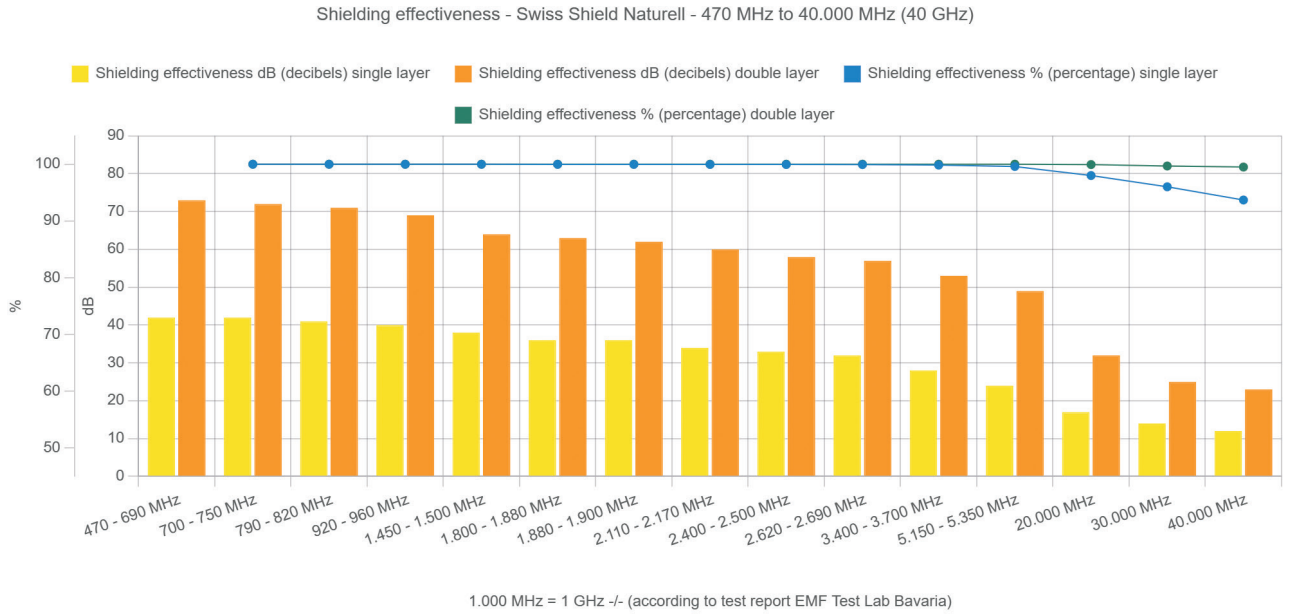
Type	MHz	Description
DVB-T2	470 - 690	digital video broadcasting – terrestrial, 2nd generation, TV via antenna
LTE / 5G wide	700 - 750	from 4G, now 5G NR without beamforming / MIMO
GSM, LTE	920 - 960	from 2G - D1, now 5G NR without beamforming / MIMO
GSM, LTE	1800 - 1880	from 2G - D2, E network, now 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 test report: EMF Test Lab Bavaria



1.000 MHz = 1 GHz -/- (according to test report EMF Test Lab Bavaria)

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