

Ag

Cu

Ni

Sn

Shieldex® 5G Shielding Solutions



The **5G technology** is currently the subject of controversial discussions. While there is the opportunity to realize a high-quality wireless network expansion for various technological projects on a global scale, the increased radiation and influence on humans and nature is the subject of several international scientific studies. According to information from the German Federal Office for Radiation Protection, the technology should also serve higher frequency ranges in the long term, which are not only used for mobile communications.

Shieldex® Quality

Shieldex® products offer a high degree of flexibility to protect oneself and objects from high frequency radiation. The fabrics are made of polyamide and polyester at the core and are plated with various metals and can also be finished with a protective coating against oxidation. The unique Shieldex® Technology gives the textiles a unique particularly high abrasion resistance. The products listed below are the most popular fabrics and the top choice for shielding solutions.

5G shielding products based on silver

Shieldex® Berlin RS

Silver-plated polyamide
Shielding effectiveness
avg. < 60 dB from 2 – 5 GHz

Shieldex® Bremen RS / PW

Silver-plated polyamide
Shielding effectiveness
avg. < 61 dB from 2 – 5 GHz

Shieldex® Nora Dell RS / PW

Ag/Ni/Cu plated polyamide
Shielding effectiveness
avg. < 80 dB from 2 – 5 GHz

Shieldex® Zell RS

Ag/Cu/Zn plated polyamide
Shielding effectiveness
avg. < 72 dB from 2 – 5 GHz

5G shielding products based on copper

Shieldex® Kassel RS

Ag/Cu plated polyamide
Shielding effectiveness
avg. < 75 dB from 2 – 5 GHz

Shieldex® Kiel + 30

Copper-plated non-woven
Shielding effectiveness
avg. < 85 dB from 2 – 5 GHz

Shieldex® Kiel Wallpaper

Copper-plated non-woven
with fiber-reinforced paper-back
Shielding effectiveness
avg. < 85 dB from 2 – 5 GHz

Shieldex® Kiel-SK-96

Copper-plated non-woven
with self adhesive back
Shielding effectiveness
avg. < 86 dB from 2 – 5 GHz

5G shielding products based on tin and nickel

Shieldex® Pisa RS / PW

Ni/Cu plated polyester
Shielding effectiveness
avg. < 79 dB from 2 – 5 GHz

Shieldex® Porto RS / PW

Sn/Cu plated polyester
Shielding effectiveness
avg. < 86 dB from 2 – 5 GHz

Did we spark your interest ?

More information can be found on our detailed data sheets.
Please do not hesitate to contact us at any time.