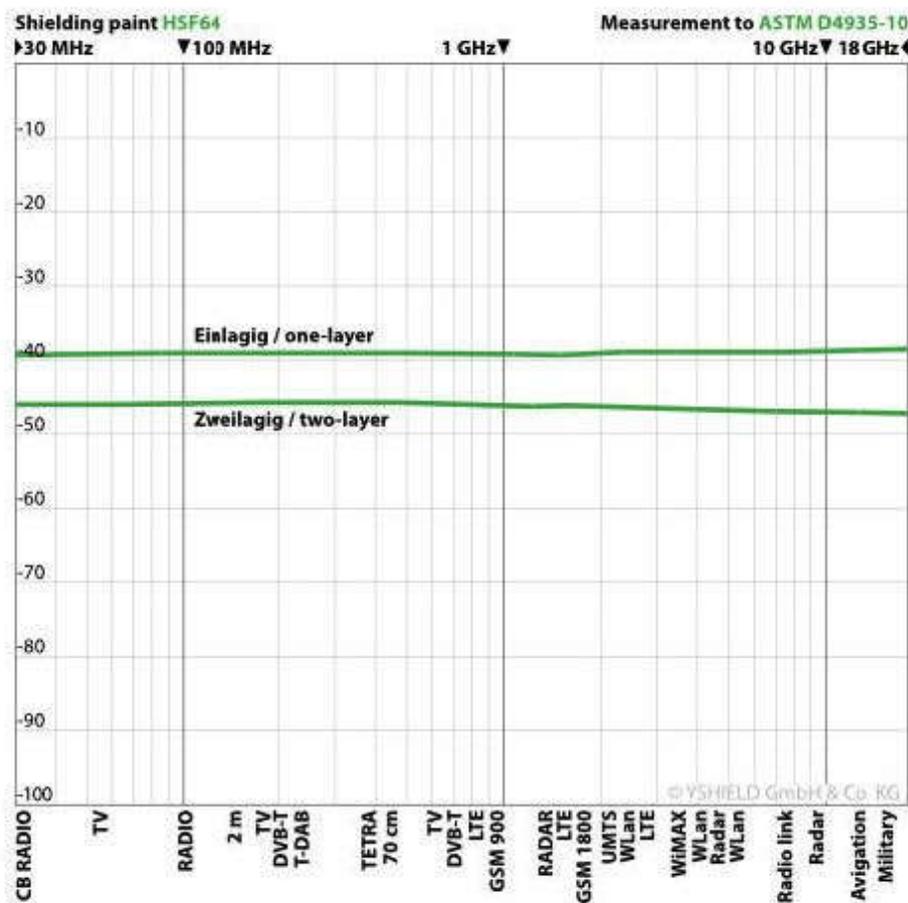


Attenuation value per frequency range is decisive to shield against the 5G mobile network

If today the decision is made to invest in a shielding in 5G, the shield attenuation curves per frequency range becomes the main topic. Highest shielding values between 2 and 5 GHz should be the goal. Everything above 30 dB, even at over 2 GHz, is an important target here. If even the screen value of 40 dB is exceeded in this frequency range, the investment in a very future-proof shielding technology is practically guaranteed.



Shield attenuation

Example Shielding paint HSF64

Example of a shield attenuation curve based on our shielding paint HSF64 .

- Basically, shielding paint is applied in two layers
- 46 dB screen attenuation up to 2 GHz (mobile, LTE)
- 46 dB screen attenuation at 2.4 GHz (WLAN)
- 47 dB screen attenuation at 3.5 GHz (5G)
- 47 dB screen attenuation at 18 GHz and presumably over it

Conclusion of such a shield attenuation curve:

High performance shielding paint which is expected to have an outstanding shielding performance against 5G.

Which screening techniques or shielding materials can be used against 5G?

Today, there are a variety of shielding materials that can be effectively used against 5G.

- <https://pronatur24.shop/online-kaufen/strahlenschutz-abschirmung/abschirmfarbe>
- *Shielding paint*
- *Shielding mesh*
- *Shielding fabric*

Shielding by means of shielding paint

- *Our HF shielding paints have a high attenuation against 5G.*
- *Shielding paints are best for walls and ceilings, but not for the floor. The processing can be done by brush, roller and sprayed by airless. The application on wood is usually problematic without appropriate pretreatment.*

Shielding by means of shielding fabric

Our shielding fabric has, with a few exceptions, a massively higher shielding attenuation compared to the classic shielding paint. The application or attachment to the ground, however, is much more complex and time consuming.

Shielding fabric can be glued, filled or stapled for fixation on the ground.

Shielding fabric is also suitable for partial use in a shielded room, for example, for the frontal wall to a mobile radio transmitter. The entire room is shielded by means of shielding paint, but a wall behind which the mobile radio transmitter stands receives a massively higher shielding performance by means of 80 dB or 100 dB strong shielding fabric.

- *Our shielding fabrics have a high screen attenuation even against 5G.*
- *Shielding fabric is suitable for walls, ceiling and floor.*
- *Shielding fabric is rolled out in sheets, laid overlapping, fixed and earthed.*

Shielding by means of canopies

Our highly developed shielding material SILVER TULLE is perfect for canopies and also for allergy sufferers. Free of evaporation, our shielding canopy Elektrosmog Pro is highly air-

permeable, translucent and achieves an incredible shielding attenuation of 50 dB. In terms of screen attenuation, the Elektrosmog Pro canopy is equivalent to the screened bedroom. Even with the important 5G frequencies, the screen attenuation is over 40. Only at the limit of 20 GHz, the screen attenuation breaks somewhat, to just under 40 dB. In addition, the canopy Elektrosmog Pro is grounded!