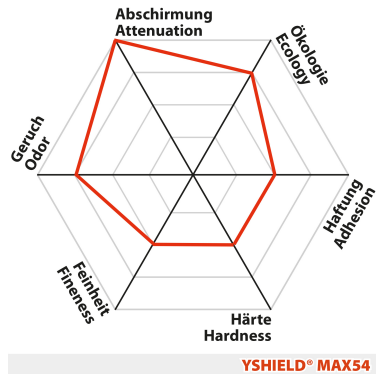
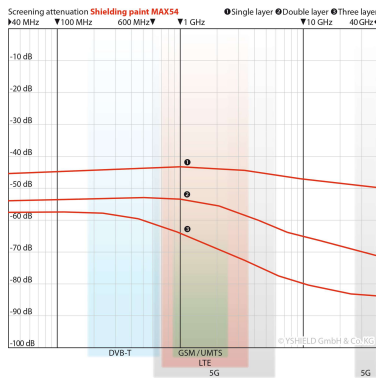


YSHIELD® MAX54 | Special shielding paint | 1 liter

Special paint with the focus on maximum shielding, if every single dB counts. Up to 83 dB. Limitations at hardness and abrasion resistance.



YSHIELD® MAX54



YSHIELD® MAX54

As shielding paint for rooms and buildings

Shielding paint for shielding high-frequency radiation (HF) and low-frequency electric fields (LF). **Special shielding paint with the focus on maximum shielding, if every single dB counts. Limitations at hardness and abrasion resistance.** Breathable, solvent-free, plasticizer-free and low-emission. With phenomenal physical and chemical properties, along with high ecology.

Screening attenuation

At 1 GHz: Single layer **43 dB** | Double layer **53 dB** | Three layer **63 dB**

At 40 GHz: Single layer **50 dB** | Double layer **71 dB** | Three layer **83 dB**

Underground

Excellent adhesion on almost all substrates interior and exterior.

Top coating

Preferably covered with plastic bonded water-based emulsion paints, dispersion silicate paints, facade paints or silicon resin paints.

Grounding

Must be grounded! We recommend interior the grounding strap EBX plus grounding plate GW, exterior the fiber additive AF3 plus the grounding plate GE.

Optional: Fiber additive AF3

For crack bridging and a better grounding we advise our fiber additive AF3 with long conductive carbon fibers.

Frost resistance

This product is frost resistant (proved for 5 frost-/thaw cycles) and can be shipped throughout the year by air cargo or ship.

Ingredients

Water, natural graphite, pure acrylics dispersion, carbon black, additives, preservative (BIT, INN, MIT).

Technical data

Please find detailed data in the table overview and the technical data sheet.

Ready for 5G

As we keep on developing our paints, they now have an almost linear shielding attenuation for a very large frequency range. This frequency range has already been including both 5G frequency spectrums for quite some time: **FR1 (600 MHz - 6 GHz) and FR2 (24 GHz - 40 GHz).**

Safety up to 40 GHz

We have a professional EMC-laboratory according to various standards up to 40 GHz on site, which is operated by long-time experienced staff. You'll receive **measuring curves and reports from 40/600 MHz - 40 GHz** with all our shielding products.

No nanotechnology

Our shielding paints are developed in accordance with strict ecological criteria. We use, for example, the carbon black with the lowest emission possible on the market and untreated natural graphite. **We consciously do not use graphene**, a nanomaterial where the hazard potential is still completely unknown.