

# YSHIELD® NSF34 | Low frequency shielding paint | 1 liter

Special paint with a focus on low frequency electrical fields. Up to 80 dB = 99,99%. TÜV-SÜD certified.



YSHIELD® NSF34

## As shielding paint for rooms and buildings

Shielding paint for shielding low-frequency electric fields (LF) only. No magnetic fields are shielded. Breathable, solvent-free, plasticizer-free and low-emission.

**Special paint with a focus on low frequency electrical fields. Up to 80 dB = 99,99%. TÜV-SÜD certified. Shields solely low frequency electrical fields (e.g., from devices, power supply lines, fuse boxes, etc.). It has a phenomenally high adhesive tensile strength, even with the most difficult substrates. This paint is very finely pigmented, very easy to process and forms an even film.**

### Screening attenuation

Single layer **up to 80 dB = 99.99 %** (depending on quality of grounding)

### 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 GSX plus grounding plate GS / GF, exterior the fiber additive AF3 plus the grounding plate GF4.

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

### Technical data

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

### 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.

### TÜV-SÜD certification

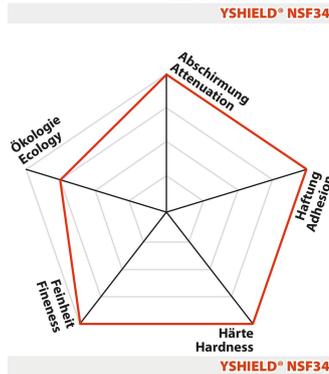
**We have our shielding paints monitored by TÜV-SÜD.** The whole production process including quality control, emission behaviour and economical use of preserving agents is subject to monitoring. **Please find the certificate above at the downloads.**

### Grounding

This product with an electrically conductive surface **has to be integrated into the functional-equipotential bonding (FEB)**. Please find suitable grounding accessories under "Grounding".

### Shielding attenuation HF & LF

This product with an electrically conductive surface **shields low-frequency alternating electric fields (LF)**.



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