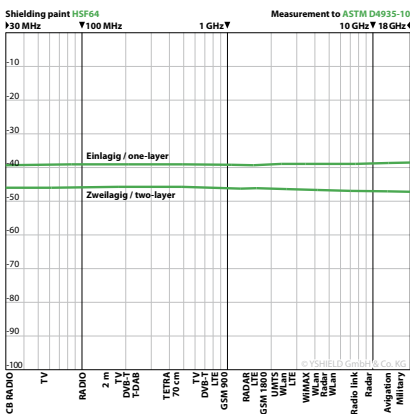


HSF64 - Shielding paint (HF+LF)

ECOLOGICAL COMPROMISE



YSHIELD® HSF64



Characteristics

Ecological compromise. Recommendation for interior use. Based on **potassium silicate** combined with a **pure acrylic binder** for enhanced adhesion. For the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

- **Dispersion-silicate paint with limited moisture resistance, therefore for interior use only**
- Breathable, solvent free, **low-emission, low odor**
- Because of a **pH-value of 12** (superalkaline), application only with protective equipment
- **Application:** For interior use only
- **Attenuation: 39 dB, two-layer 46 dB**

Underground

Interior: Excellent adhesion on almost all undergrounds like existing emulsion paints, sheetrock, wallpaper, cement, plaster, masonry, wood, glass, plastic substrates, etc. Not usable on gypsum based substrates!

Top coating

Preferably covered with plastic bonded, **water-based emulsion paints** or dispersion silicate paints. We restricted recommend pure mineral paints (clay, loam, chalk, silicate). Please find appropriate product recommendations in the technical data sheet.

Grounding

Must be grounded! We recommend interior the **grounding strap EB2** plus **grounding set GW** or **GB**.

Frost resistance

This product is not frost resistant on shipping. At long frost periods during winter time, the shipping can be rescheduled by a few days. Our frost resistant shielding paint HSF54 is our alternative that can always be shipped.

Screening attenuation

The screening attenuation is **regularly tested in our own EMC laboratory.** We have measurement setups due to the following standards: **ASTM D4935-10, IEEE Std 299-2006, IEEE Std 1128-1998, ASTM A698/A698M-07.** Please find the test report at our homepage directly on the product page.

Ingredients

Potassium silicate, graphite, water, pure acylic dispersion, carbon black, additives, preservative (MIT, BIT).

Optional: Fiber additive AF3

This paint is formulated without long conductive carbon fibers to allow airless spraying. For crack bridging and consequential a better grounding we advise to mix in the fiber additive AF3.