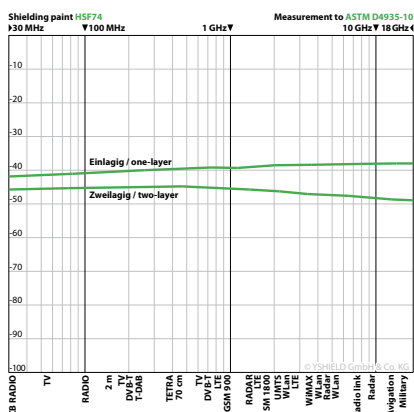


## HSF74 - Shielding paint (HF+LF)

### MAXIMUM ECOLOGY



YSHIELD® HSF74



#### Characteristics

Pure silicate paint with an absolute modicum of ingredients, also without a preservative agent. To be recommended only with an allergy against preservative agents. Based on potassium silicate. For the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

- As a pure silicate paint with limited moisture resistance, therefore for interior use only
- Highly breathable, solvent free, low-emission, neutral odor, without preservative agent
- Because of a pH-value of 12 (superalkaline), application only with protective equipment
- **Application:** For interior use only
- **Attenuation:** 39 dB, two-layer 45 dB

#### Underground

**Interior:** Good adhesion on absorbent, untreated, preferably mineral undergrounds like chalk, silicate, clay, etc.. Restricted use on absorbent emulsion paints, wallpapers, etc., please check first! 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, carbon black, emulsifier, defoamer, cellulose, no preservative agent.

#### 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.