

NSF34 - Shielding paint (LF)

ONLY AGAINST ELECTRICAL FIELDS



YSHIELD® NSF34

Characteristics

Paint against low frequency elektrical fields only. Based on a high quality **pure acrylic binder**. For the shielding of low-frequency electric fields (LF).

- **This paint is frost resistant for shipping in the winter or on pallets in shipping containers**
- **Breathable, solvent free, low-emission, low odor**
- **Application:** Interior, exterior
- **Attenuation: 40 dB (99 %)**

Underground

Interior and exterior: Excellent adhesion on almost all under-grounds like existing emulsion paints, sheetrock, wallpaper, cement, plaster, masonry, wood, etc.

Top coating

Preferably covered with plastic bonded, **water-based emulsion paints**, dispersion silicate paints, facade paints or silicon resin paints. Not applicable are pure mineral paints (clay, loam, chalk, silicate). Please find appropriate product recommendations in the technical data sheet. Due to the high adhesive tensile strenght (to ETAG 004 for EIFS-systems, minimum 0.08 N/mm²), usable directly under pure organic plaster, no mineral pasters!

Grounding

Must be grounded! We recommend interior the **grounding strap EB2** plus **grounding set GW or GB**, exterior the **fiber additive AF3** plus the **grounding set GE**.

Frost resistance

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

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, IEEEE Std 1128-1998, ASTM A698/A698M-07**. Please find the test report at our homepage directly on the product page.

Ingredients

Pure acylic dispersion, graphite, water, 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.