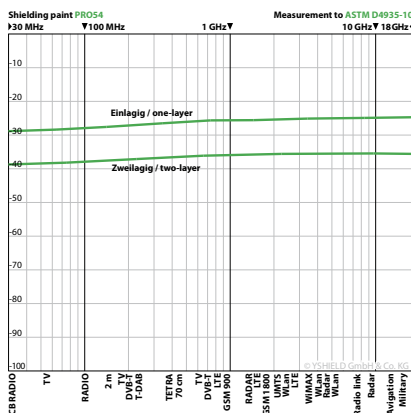


PRO54 - Shielding paint (HF+LF)

TECHNICALLY THE BEST



YSHIELD® PRO54



Characteristics

For the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

- **Frost resistant: Suitable for shipping during winter time and for sea freights in containers**
- Breathable, solvent free, **low-emission, low odor**
- **Application:** Interior, exterior
- **Attenuation:** 25-30 dB, **two-layer 35-40 dB**

Special feature

Technically our best paint, that is formulated without graphite, which has many advantages:

- Does not stain off while overpainting with white wall paint.
- Impacts against the white covering paint don't produce black stripes any more.
- The surface of the paint film is microporous rough and offers top coatings a catchy underground for excellent adhesion.
- With 4.8 N/mm² this paint has an extremely high adhesive tensile strength (adhesive power on the underground) for a wall paint which is two times higher than with our graphite paints.

The lack of graphite has only one disadvantage: The electrical resistance and therefore the shielding attenuation is 10 dB lower per layer. **We always highly recommend a two-layer application with this paint,** to reach the typical 35-40 dB attenuation. The slightly higher costs due to the second coat are compensated by the many advantages.

Underground

Interior and exterior: Excellent adhesion on almost all undergrounds 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 strength (to ETAG 004 for EIFS-systems, minimum 0.08 N/mm²), applicable 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, IEEE Std 1128-1998, ASTM A698/A698M-07**. Please find the test report at our homepage directly on the product page.

Ingredients

Water, pure acrylic dispersion, carbon fibers, 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.