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DRY69 - Shielding plaster (HF+NF)

OUR RECOMMENDATION

YSHIELD® DRY69

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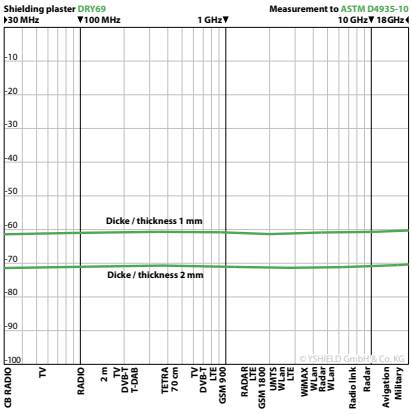

Characteristics

Shielding plaster delivered as a powder. Dispersion silicate plaster with **potassium silicate** as binder and under 5 % synthetic content. For the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

- **Delivered as a powder to mix yourself**
- Low shipping weight
- Shelf life for years
- Breathable, solvent free, low-emission, low odor
- **Attenuation: 60 dB at 1 mm thickness**, 70 dB at 2 mm thickness.
- **Coverage:** 20 m^2 at 1 mm thickness. 10 m^2 at 2 mm thickness
- **Packaging size:** 12 kg powder for **20 liters** of plaster.

Special features

1) This shielding plaster contains no long carbon fibers for shielding, **which is why it shields equally well in all polarisation directions**.

2) This plaster has a relatively high **diminution of 50 %** while drying. This is very important for the high attenuation. It should only be used on smooth undergrounds as unevenness can't be smoothed with this plaster.

3) **Carbon pigments are black, in which shielding plaster would you trust?**

Instead of cheap filler materials, we use costly carbons exclusively, see the right sample in the picture. Thereby we don´t reach only 24 dB attenuation, but **sensational 60 dB**.

Safety instruction

This product with a pH-value of 12 contains potassium silicate powder. Stirring is only allowed with protective equipment! We urgent recommend our safety-set DRY99, see accessories.

Usage

As a thin layer plaster with a thickness from 1 mm to 2 mm preferrably interior. But due to the good moisture resistance even exterior.

Preparation

Stir the 12 kg powder in a bucket with 12 liters of water. Preparation time appr. 70 minutes.

Underground

We recommend a surface preparation with our primer concentrate GK5 or another primer. **Excellent adhesion on almost all absorbent undergrounds.** Not applicable on gypsum based undergrounds, potassium silcate flake off from gypsum!

Final coating

Sand and smooth elevations and coarse burrs as usual. Normally on the graphite surface only **organic dispersion paints or dispersion silicate paints** adheres well. For pure mineralic coatings we recommend an aftertreatment with our **primer concentrate GK5** or another for the coating suitable primer. Don´t use gypsum based coatings, gypsum peels off from silicate coatings!

Grounding

Must be grounded! We recommend interior the **grounding strap EB2** plus **grounding set GW**, exterior the **grounding set GE**.

Frost resistance

This product is frost resistant several times, 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

Graphite, potassium silicate powder, carbon black, acrylic powder, additives.