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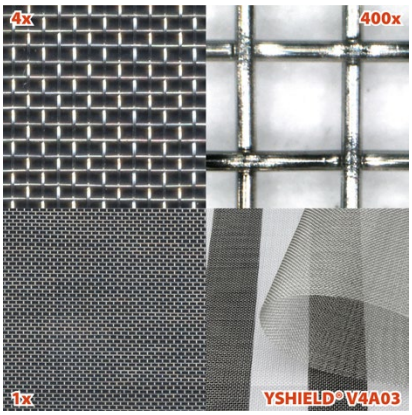
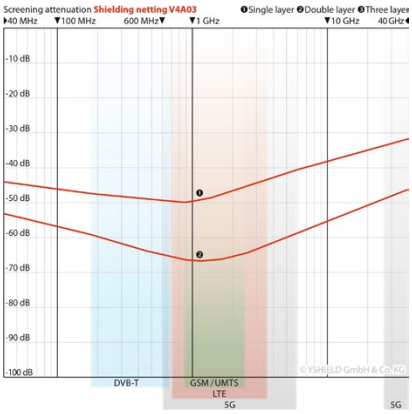
V4A03 - Stainless steel netting V4A (HF+LF)

OUR RECOMMENDATION





Characteristics

V4A03 is an **extremely fine woven, noncorrosive stainless-steel gauze** for the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

In comparison to V4A10, due to the smaller mesh width, the shielding attenuation is better at high frequencies.

Application

Due to the thin filaments especially as flyscreen.

V4A (AISI 316) is resistant against water, water vapor, air humidity, mild acids and in coastal areas against salty seawater!

Technical data

- **Widths: 90 cm**
- **Length: By the meter / 25 m roll**
- **Attenuation: 50 dB**, two-layer 65 dB
- **Mesh width: 0.3 mm**, wire diameter: 0.08 mm, material thickness: 0.16 mm, open area 54 %
- Weight: 200 g/m^2
- Color: Silver
- Fire-proof material, A1 according DIN 4102:1994
- Surface conductivity: 0.03 ohm (square resistance R☐)

Processing under plaster

In case processing the V4A10 under plaster you should work with a preferably fine and organic filler. Under floor coverings (laminate, parquet, PVC coating, etc.) V4A10 is being fixed with the adhesive used for the floor covering. For drywall construction and in roof area the mesh elements can be bolt or stapled together. **The rule is:** Always overlapp the single elements at least 5 cm. For grounding use the perforated stainless steel tape ELB by screwing it right across the elements into the surface.

Processing as flyscreen

In case processing as **flyscreen**, the application is identical to that of a regular flyscreen in commercial tenter frames.

Grounding

Due to the highly conductive surface this material can be **contacted and grounded easily to shield low frequency (LF) electric fields**.

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.