

**Stainless steel mesh from corrosion-resistant V4A as cheap standard product for drywall constructions or on facades. 40 dB. Interior and exterior. Width 90 cm.**

### PROPERTIES

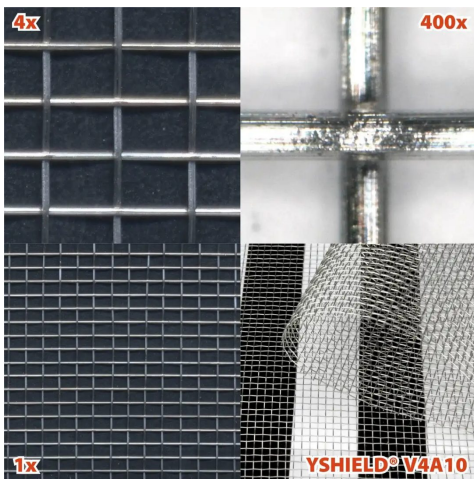
V4A10 is a finely woven, noncorrosive stainless-steel mesh for the protection against high frequency radiation (HF) and low-frequency electric fields (LF). V4A (AISI 316) is resistant against water, water vapor, air humidity, mild acids and in coastal areas against salty seawater!

### APPLICATION

Typical application for the interior and exterior under-plaster in upgraded insulations, in roof areas, at drywall constructions, as fly screen, for loosely laid, etc.

### PROCESSING

In case processing the V4A10 under plaster you should work with a preferably fine and organic filler. Under the floor covering (laminat, parquet, PVC coating, etc.) the 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 overlap the single elements at least 5 cm. For grounding use the perforated stainless steel tape GSS25 by screwing it right across the elements into the surface.



### TECHNICAL DATA

- Width:** 35.43 in
- Length:** By the meter / 25 meters in roll
- Attenuation:** 40 dB, two-layer 55 dB
- Mesh width:** 1.0 mm
- Wire diameter:** 0.16 mm
- Material thickness:** 0.32 mm
- Open area:** 70 % Weight: 260 g/m<sup>2</sup>.
- Color:** Silver.
- Fire-proof material,** A1 according DIN 4102:1994.
- Surface conductivity:** 0.1 Ohm (square resistance)

### GROUNDING

This product with an electrically conductive surface has to be integrated into the functional equipotential bonding (FEB). Please find suitable grounding accessories under "Grounding".

### SHIELDING ATTENUATION HF & LF

This product shields high frequency electromagnetic fields (HF). Unless otherwise stated, the indicated dB-values apply to 1 GHz. Measurement from 600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006.

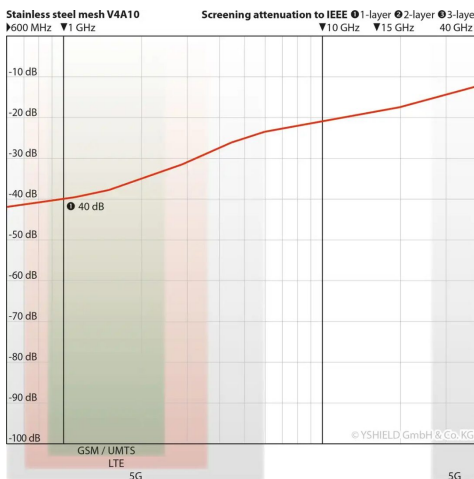
This product with an electrically conductive surface shields low-frequency alternating electric fields (LF).

### LABORATORY & EXPERT REPORT OF SHIELDING ATTENUATION UP TO 40 GHz

We have already invested in our own professional EMV laboratory years ago. We not only use it to create our laboratory screening reports but also to check each batch daily. Additionally, we have all our products checked by an independent, well-respected expert. Double checked for twice the safety. Please contact us for reports and more information.

### READY FOR 5G

Some companies offer "special" 5G-products. This products shields all 5G-frequencies, even without advertising this! Find two gray bars in all shielding diagrams with the 5G frequency spectrums FR1 (600 MHz – 6GHz) and FR2 (24 GHz – 40 GHz).



## SM-10YK Stainless Steel Mesh

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