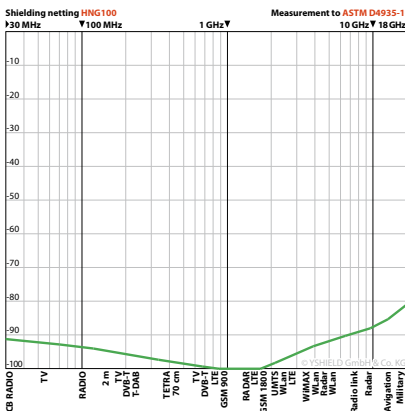
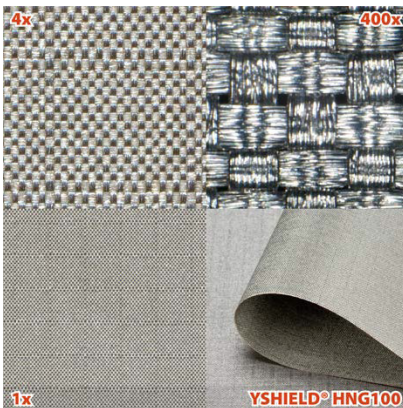


## HNG100 - Polyester netting (HF+LF)



### Characteristics

HNG100 is a compact woven, **heavy metallized polyester netting** for the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

**Maximum shielding product with over 100 dB.** This professional product is typically used for ministries of defence, banking houses, laboratories, etc.

### Application

**For bonding interior** on walls, ceilings, floors, as intermediate layer, for **drywall constructions**, loosely laid, etc.

### Technical data

- **Widths: 66 cm (HNG100-66), 130 cm (HNG100-130)**
- **Length: By the meter / 20 m roll / 100 m roll**
- **Attenuation: 100 dB**, two-layer 134 dB
- **Weight: 140 g/m<sup>2</sup>**
- **Material thickness: 0.08 mm**
- **Color: Anthracite / Brown**
- **Tensile strength: Very good in both directions, 220 N/mm**
- **Materials: Polyester, copper, nickel, protection coating**
- **Surface conductivity: 0.003 ohm (square resistance R<sub>□</sub>)**

### Processing

In case of processing HNG100 as an intermediate layer we recommend using our dispersion glue DKL90 for adhesion. The wall and the backside of HNG100 should be coated with a paint roller. Insert the material wet on wet. Fix it manually (with disposable gloves) and press a gummed roller against the fleece to get a crease-free surface. Work quickly and strip by strip only so that the DKL90 glue does not dry. **A crease-free adhesion is only possible on perfectly level surfaces!** Structured surfaces (ingrain wallpaper, textured plastering) have to be smoothed.

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