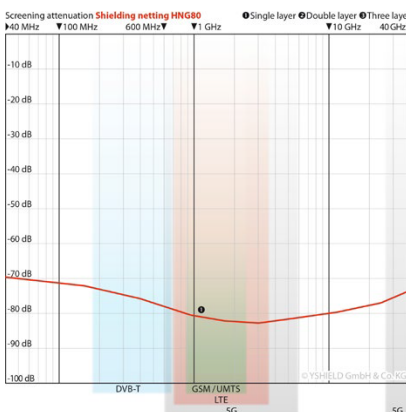


## HNG80 - Polyester netting (HF+LF)

### OUR RECOMMENDATION



### Characteristics

HNG80 is a **compact woven, metallized polyester netting** for the large-scale shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

**Our cheap standard product for walls, ceilings and floors.** Commercial product for data centers, laboratories, TEMPEST rooms, ... now available for private use.

### Application

**Interior** for walls, ceilings and floors. As intermediate wallpaper, for drywall constructions, loosely laid, to shield devices, etc.

### Technical data

- **Width: 90 cm**
- **Length: By the meter / 100 m roll**
- **Attenuation: 80 dB** (production-related +/- 5 dB)
- Weight: 75 g/m<sup>2</sup>
- Material thickness: 0.075 mm
- Color: Gray / Brown
- Tensile strength: 90 lbf
- Materials: Polyester, copper, nickel
- Surface conductivity: 0.02 ohm (square resistance R<sub>□</sub>)

### Processing

In case of processing as an intermediate wallpaper, **for glueing** we recommend our dispersion glue DKL90. The wall and the backside of the material are coated with a paint roller. Insert the material wet on wet, fix it manually (with disposable gloves) and use a gummed roller to get a crease-free surface. Work quickly and strip by strip only, so that the DKL90 glue does not dry. A crease-free bonding is only possible on perfectly plane surfaces.

Further the material can be **laid loosely**, e.g. under floor coverings or can be **stapled**, e.g. in drywall constructions.

**Always overlapp** the single strips, so that they connect electrically for grounding.

### 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.