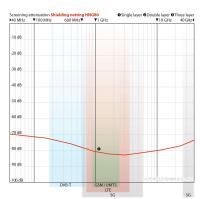
# YSHIELD® HNG80 | Shielding mesh | Width 90 cm | 1 meter

Polyester mesh as cheap standard product for versatile applications (e.g. as base wallpaper). 80 dB. Interior. Width 90 cm.







## **Properties**

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.

#### **Processing**

In case of processing as an intermediate wallpaper, for **glueing** we recommend a commercially available dispersion glue. 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 dispersion 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.

#### Attenuation | Grounding

- This product shields **high frequency electromagnetic fields** (HF). The indicated dB-values apply to 1 GHz, view chart for other frequencies. Laboratory report ranging from 40/600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006, view report above.
- This product with an electrically conductive surface shields low-frequency alternating
  electric fields (LF). For this purpose a grounding is necessary, i.e. an integration into the
  functional-equipotential bonding (FEB), please find suitable grounding accessories under
  "Grounding".

## **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)